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CURRENT SERIAL RECORDS

**UNITED STATES DEPARTMENT OF AGRICULTURE**  
**AGRICULTURAL RESEARCH SERVICE**  
**PLANT QUARANTINE DIVISION**  
**WASHINGTON 25, D.C.**

**LIST OF INTERCEPTED PLANT PESTS, 1961**

(Pests Recorded From July 1, 1960, Through June 30, 1961)

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Plant Quarantine Aid

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**INTRODUCTION**

This report covers the 48th year for which lists of interceptions have been published. It summarizes records of plant pests found in, on, or with plants, plant products, baggage, cargo, mail, and means of conveyance (1) imported into or entering the United States or its possessions, (2) offered for entry but refused, (3) held in quarters or stores of planes or ships, (4) offered for entry for immediate transportation and exportation in bond, (5) in domestic shipments to the mainland from the States of Alaska and Hawaii, the American Virgin Islands, Guam, Puerto Rico, and other offshore possessions, or (6) in preclearance inspection in the Bahamas and Bermuda.

The pests listed include insects, snails, bacteria, fungi, nematodes, and viruses of known or potential plant quarantine significance to the United States. Some common organisms are included if they are new to the country of origin or the host plant, or are of such limited distribution in the United States that they are worthy of mention.

The data for this list include identifications received from the specialists during the fiscal year 1961 and represent some interceptions made during previous years. Determinations are largely made by specialists of the Entomology Research Division and the Plant Quarantine Division, although a certain amount of this work is done by collaborating State officials. Snail identifications are made by taxonomists in the Division of Mollusks, U.S. National Museum. Some critical studies and identifications are made by specialists of the Crops Research Division, who also identify many of the host plants.

Scientific names of the insects are reviewed by the specialists who identify them and also by Mr. Paul X. Peltier, entomologist, who assists in the compilation. Mrs. Alice J. Watson, mycologist, assists with the disease list. Host names are reviewed by Dr. Bernice G. Schubert of the New Crops Research Branch. Every effort is made to conform to the International Rules of Nomenclature. However, in the disease tabulation the name of the stage found is usually listed rather than the perfect stage. Family names are listed with the insects in the tabulation; orders are shown in the host list. Classes of the diseases are given in the disease host list.



It is often difficult to trace the true origin of stores in planes and ships. Questionable cases are omitted, listed with a question mark, or shown as unknown. Pests of a serious nature reported for the first time from a country are usually listed as from an unknown origin or omitted until confirmation of the presence of the pest is given by the country concerned.

### NOTES ON PESTS INTERCEPTED

The total number of interceptions for the fiscal year 1961 was 25,575, as compared with 30,230 the previous year. This does not include common pests which are widespread in this country and are no longer recorded. Of the total, 8,808 were considered of enough importance to be listed. The decrease in the number of interceptions may be due in part to the increased efforts of the Plant Quarantine Division to educate the public through the use of movies ("The Hidden Menace" and "Don't Bring Your Enemy Home") and various leaflets distributed to air and ship lines.

### AIRBORNE MATERIAL

Interceptions of pests arriving by air totaled 8,722, of which 7,968 were insects or snails and 754 diseases or nematodes. There were 199 interceptions of significant insects found as stowaways on airplanes. Among the important airborne pests were 69 interceptions of the European cherry fruit fly, 3 of khapra beetle, 109 of the Mediterranean fruit fly, 28 of a chafer, *Melolontha melolontha*, 7 of the Mexican fruit fly, 30 of the olive fruit fly, 4 of the oriental fruit fly, 15 of the pink bollworm, 72 of the West Indian fruit fly, 153 of the black spot of citrus, 18 of citrus canker, 55 of the sweet orange scab, and 5 of the golden nematode.

### FRUIT FLIES

A total of 685 fruit fly interceptions were identified to species as follows:

*Anastrepha ludens*, the Mexican fruit fly, was intercepted 151 times, 149 from Mexico and 2 from Guatemala. The hosts were cherimoya, grapefruit, mango, pomegranate, quince, sour orange, sweet lime, and sweet orange.

*Anastrepha mombinpraeoptans*, the West Indian fruit fly (142 times), in mamey sapote, mango, purple mombin, tropical almond, and yellow mombin from the American Virgin Islands, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Trinidad, and the West Indies (island(?)).

*Anastrepha serpentina* (4 times) in mamey sapote in air baggage from Mexico and Nicaragua, in star-apple in air baggage from Nicaragua, and in Tempisque jungleplum in baggage from Mexico.

*Anastrepha suspensa* (twice) on airplane window from Puerto Rico (?) and in guava in air baggage from Puerto Rico.

*Ceratitis capitata*, the Mediterranean fruit fly (195 times), an adult female in an airplane from Hawaii, and larvae in apple, apricot, Arabian coffee berry, cherry, *Coffea* sp. berry, fig, grape, grapefruit, guava, jujube, lemon, loquat, Mandarin orange, mango, pawpaw, peach, pear, pomegranate, pricklypear, quince, soda-apple nightshade fruit, sweet orange, and tropical almond. The countries of origin were: Argentina, Azores, Brazil, Costa Rica, Cyprus, Greece, Hawaii, Iran, Israel, Italy, Lebanon, Peru, Portugal, Republic of South Africa, Spain, Turkey, United Arab Republic, and an unknown origin. *C. capitata* (?) (19 times) in Arabian coffee berry, *Coffea* sp. berry, fig, *Musa* sp. fruit, pepper, pomegranate, sweet orange, and tropical almond from Greece, Hawaii, Italy, and Spain.

*Ceratitis colae*(?) (once) in Sudan colanut in aircargo from Nigeria.

*Dacus cucurbitae*, the melon fly (5 times), in cucumber, tomato, and zucchini squash in stores from Hawaii. *D. cucurbitae*(?) (twice) in cucumber in air stores and stores from Hawaii.

*Dacus dorsalis*, the oriental fruit fly (22 times), in banana, guamachil apesearring pod, Indiapoon beautyleaf fruit, lychee nut, mail package, mango, *Ochrosia elliptica*



fruit, pitanga, and tropical almond from Guam, Fiji(?), and Hawaii. *D. dorsalis*(?) (12 times) in agati sesbania, betel palm nut, guava, mango, ti berry, and tropical almond from Hawaii.

*Dacus oleae*, the olive fruit fly (57 times), with baggage and in olive in air baggage, air stores and baggage from Austria (?), Cyprus, Greece, Italy, Lebanon, and an unknown origin.

*D. oleae*(?) (once) in green olive from Italy.

*Euleia heraclei* (once) in celery in stores from Germany.

*Rhagoletis alternata*(?) (once) in rosaceous berry in baggage from Italy.

*Rhagoletis cerasi*, the European cherry fruit fly (69 times), in cherry in air baggage, air quarters, and air stores from Czechoslovakia, Denmark, France, Germany, Greece, Hungary, Israel(?), Italy, Netherlands, Poland, Portugal, Spain, and an unknown origin. *R. cerasi*(?) (once) in cherry from Italy.

#### INSECTS OTHER THAN FRUIT FLIES

The following insects of special significance were intercepted:

*Acrolepia assectella* (Hyponomeutidae) in leek in stores from France, Italy, and Spain.

*Adoxophyes orana* (Tortricidae) in apple in air stores and peach in air baggage from an unknown origin; and on cut roses in air baggage from the Netherlands.

*Aleurocanthus spiniferus* (Aleyrodidae) on sour orange leaf in stores from Japan.

*Aleurocanthus woglumi* (Aleyrodidae), the citrus blackfly (8 times), on *Citrus* sp. leaf in air baggage from Nicaragua and baggage from Mexico, on lime leaf in cargo from Mexico, and on sweet orange leaf in quarters from Jamaica.

*Aspidiotus destructor* (Coccidae) (19 times) on coconut in air baggage from Honduras and Mexico, baggage and cargo from Mexico, quarters from the Bahamas, and stores from Costa Rica, Mexico, Panama, and the Philippines; on kentia palm in stores from the Philippines; on oleander in quarters from the Bahamas; on palm seed in air baggage from Cuba; on rose leaf in baggage from Tortola; on screwpine in aircargo from Indonesia; and on sugar-apple and sweet orange in baggage from Cuba.

*Blissus diplopterus* (Lygaeidae) on hakea seed in mail from the Republic of South Africa.

*Brachycerus algirus* (Curculionidae) in garlic in cargo from Spain.

*Brevipalpus chilensis* (Tenuipalpidae) on grape in aircargo and cargo, on lemon in air stores, and on reed jacket for liquor in air baggage from Chile.

*Bruchus tristis* (Bruchidae) in broadbean in baggage, grass pea in baggage and mail, and white lupine seed in baggage from Italy; and in pea in stores from Greece.

*Cacaecimorpha (Archips) pronubana* (Tortricidae) in chayote and pomegranate in baggage from Italy.

*Carposina niponensis* (Carposinidae) in apple in stores from Japan.

*Ceroplastes rubens* (Coccidae) on anthurium leaf in mail and maile alyxia in baggage and mail from Hawaii.

*Chilo suppressalis* (Crambidae), the Asiatic rice borer (16 times), in rice straw in air baggage from Japan, baggage from Formosa, Spain, and an unknown origin, and mail and stores from Japan.

*Coccus viridis* (Coccidae) (40 times) on Brazil peppertree, *Citrus* sp. twig, coffee berry and leaf, *Gardenia* spp., guava, horseshoe geranium, ixora, jasmine, and lychee from Barbados, Brazil, Cuba, Hawaii, Madeira Islands, and St. Kitts.

*Coptotermes niger* (Rhinotermitidae) in rosewood log in cargo from Brazil and in virola log in cargo from Costa Rica.

*Cryptoblabes gnidiella* (Phycitidae) (18 times) in bamboo in baggage from Italy, on cockscomb cut flower in baggage from Greece, in lemon in air stores from Spain, on oleander cutting in air baggage from Bermuda, in pomegranate in air baggage from Israel and baggage from Italy, and in sweet orange in air baggage from Italy and air stores and stores from Spain.

*Cylas formicarius* (Curculionidae) in sweetpotato in aircargo and cargo from Hong Kong and Thailand.

*Dialeurodes kirkaldyi* (Aleyrodidae) on Arabian jasmine in mail and on frangipani cutting in air baggage from Hawaii, on gardenia in air baggage from Tahiti, and on jasmine in aircargo from the Philippines.

*Diaspis juniperi* (Coccidae) on Lawson falsecypress in cargo from the Netherlands.

*Dichrocrocis punctiferalis* (Pyraustidae) on Japanese white pine in baggage from Japan and on rambutan in air baggage from the Federation of Malaya.

*Dyspessa ulula* (Cossidae) in garlic in cargo from Italy and Spain and stores from Yugoslavia.

*Earias cupreoviridis* (Noctuidae) in okra in stores from British West Africa.

*Ectomyelois ceratoniae* (Phycitidae) (33 times) in almond, Arabian coffee, assorted seed, barringtonia pod, English walnut, goldenshower senna pod, pomegranate, quince, sweet orange, and tamarind seed pod. Countries of origin were Africa (country(?)), Greece, Hawaii, Israel, Italy, Jamaica, Montserrat, Philippines, Portugal, Puerto Rico, and Turkey.

*Epichorista ionephela* (Tortricidae) on Cape chinkerichiee in cargo and mail from the Republic of South Africa.

*Epilachna 28-punctata* (Coccinellidae) in cabbage in stores from Australia.

*Epinotia aporema* (Olethreutidae) in broadbean in air baggage from Ecuador and in pigeonpea in air baggage from Jamaica.

*Euscapes postfasciatus* (Curculionidae) in sweetpotato in stores from Brazil and Trinidad.

*Evergestis forficalis* (Pyraustidae) in cauliflower in stores from Norway.

*Frankliniella intonsa* (Thripidae) (17 times) on carnation, gladiolus, mixed cut flowers, rose, strawflower, and sweetpea in air baggage from Denmark, England, France, Germany, Hungary, Poland, and Sweden; and on rose in cargo from France.

*Gnorimoschema ocellatella* (Gelechiidae) in beet in air baggage from Italy and stores from the United Arab Republic.

*Grapholitha janthiana*(?) (Olethreutidae) in apple in air baggage and baggage from Austria, Rumania, and Yugoslavia and in air stores from an unknown origin.

*Lampides boeticus* (Lycaenidae) in broadbean in stores from the United Arab Republic and in mauna loa lei in air baggage and baggage from Hawaii.

*Laspeyresia splendana* (Olethreutidae) (29 times) in chestnut in air baggage and baggage from Germany, Italy, Portugal, Spain, Turkey, and Yugoslavia and in cargo from Italy.

*Laspeyresia strobilella* (Olethreutidae) in pine cone in baggage from England; and in spruce cone in air baggage and baggage from Germany and an unknown origin.

*Lobesia botrana* (Olethreutidae) in grape in air baggage from Italy and Lebanon.

*Mamestra brassicae* (Noctuidae) in *Brassica* sp. in stores from Japan, in cabbage in stores from England, France, Germany, Italy, and the Netherlands, in cauliflower in stores from Tanganyika, and in parsley in stores from Italy.

*Maruca testulalis* (Pyraustidae) (35 times) in cargo (with celery and chayote) from Puerto Rico, in jade flower(?) and mauna loa lei in air baggage and baggage from Hawaii, in pigeonpea in air baggage, airmail, and cargo from Puerto Rico, in sesbania in air baggage and mail from Hawaii, and in string bean in air baggage, airmail, and cargo from Puerto Rico and stores from Brazil and Japan.

*Megastes grandalis* (Pyraustidae) in sweetpotato in stores from Brazil.

*Melolontha melolontha* (Scarabaeidae), a chafer (28 times), as stowaway on airplane from France.

*Nilotaspis halli* (Coccidae) on *Prunus* sp. scion in aircargo from Iran.

*Ostrinia (Pyrausta) nubilalis* (Pyraustidae) in broomcorn stalk in baggage and cargo from Italy and in mail from Yugoslavia, in chestnut in air baggage from Italy, on chrysanthemum in air baggage from Japan, with military cargo from Spain, and in string bean in stores from Japan.

*Oulema (Lema) melanopa* (Chrysomelidae) in soil with heather plant in baggage from Germany and on unidentified plant in cargo from the Netherlands.

*Parlatoria zizyphus* (Coccidae) (49 times) on *Citrus* sp. leaf, grapefruit, lemon, Mandarin orange, pummelo, sour and sweet lime, and sweet orange from Algeria, Cameroun, China, Formosa, Gambia, Hong Kong, Israel, Italy, Japan, Liberia, Okinawa, Philippines, Spain, Thailand, and an unknown origin.

*Pectinophora gossypiella* (Gelechiidae), the pink bollworm (33 times), in bale of cotton in cargo from India; in bale of cotton motes in cargo from Brazil; in cotton boll in air baggage from Haiti, Hawaii, Italy, and Turkey, baggage from Mexico, and mail from Hawaii; in cottonseed in air baggage from Brazil and Grand Cayman, baggage from Mexico, cargo from Hong Kong and the United Arab Republic, and quarters from Mexico; in hibiscus lei in air baggage from Cuba; in Levant cotton boll in air baggage from Trinidad; in okra in air baggage from the Dominican Republic, Haiti, and Jamaica and in aircargo and stores from the Dominican Republic; and in seed cotton in quarters from Mexico.

*Perkinsiella saccharicida* (Delphacidae) on anthurium flower in air baggage from Hawaii.

*Phalonia zephyrana* (Phaloniidae) in carrot in stores from Italy.

*Pieris brassicae* (Pieridae) on cabbage in stores from Italy, on lettuce in stores from the Azores, and with military cargo from Greece and Morocco.

*Pityogenes chalcographus* (Scolytidae) in conifer dunnage from Belgium and Germany.



*Prays oleellus* (Hyponomeutidae) in olive leaf cutting and fruit in air baggage and baggage from Italy.

*Prodenia litura* (Noctuidae) in pepper in stores from Israel.

*Rhynchites auratus* (Curculionidae) in sloe seed in mail from Scotland.

*Sesamia cretica* (Noctuidae), the durra stem borer, in sorghum stalk in cargo from Italy.

*Stenoma catenifer* (Stenomidae) (23 times) in avocado in air baggage and baggage from Brazil, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, and Panama.

*Taeniothrips gracilis* (Thripidae) (18 times) on amaryllis bulb in cargo from Japan, on cut gladiolus in air baggage from Bermuda, on *Lycoris* spp. bulbs in cargo from Japan, on polyanthus narcissus bulb in air baggage from Formosa, and on sweetpea in air baggage from Bermuda.

*Tetranychus viennensis* (Tetranychidae) on apple in air baggage from Germany, air stores from an unknown origin, and stores from Japan.

*Thrips major* (Thripidae) on fig in air baggage from Italy, on heather in air baggage from Germany, on lily-of-the-valley in air quarters from an unknown origin, on mixed cut flowers in air baggage from Denmark and Scotland, and on roses in air baggage from the Azores, England, France, and Germany and in aircargo from France.

*Trogoderma granarium* (Dermestidae), the khapra beetle (202 times), with bagging (including used burlap and wrappers on cinnamon, cotton waste, guar gum, karaya gum, pigeonpea, rice, stores, etc.), bean, celery seed, chickpea, cinnamon, common cassava, cottonseed, cumin seed, debris, food, filbert nut, ginger root, gum, gum arabic, gum ghatti, guar gum, gutta-percha, karaya gum, lima bean, myrobalan, pea, peanut, pistache nut, quarters of ship, rice, rye straw, stores (including bean, chickpea, corn, flour, grits, lentil, macaroni, noodles, pigeonpea, sesame seed, soybean, and miscellaneous dry stores), and wheat. Infested materials were from the following countries: Ceylon, China, England, Federation of Malaya, Formosa, France, Germany, Greece, Hong Kong, India, Iraq, Italy, Japan, Korea, Kuwait, Mozambique, Netherlands, Nigeria, Pakistan, Philippines(?), Senegal, Singapore, Sudan, Thailand, United Arab Republic, and an unknown origin.

*Unaspis yanonensis* (Coccidae), the yanone scale (467 times), on *Citrus aurantium* var., *Citrus* sp., grapefruit, ichang bitter-orange, King orange, lemon, lime, Mandarin orange, sour orange, sweet orange, and tangelo from Japan and the Philippines.

*Zeadiatraea lineolata* (Crambidae) in corn in air baggage from Honduras.

#### SNAILS

The following snails of particular interest were intercepted:

*Bradybaena similis* (13 times) on various cut flowers and foliage in air baggage, baggage, cargo, and mail from Hawaii; and in soil with asparagus plant in air baggage from Bermuda.

*Achatina fulica*, the giant African snail (5 times), with air baggage and in mail from Hawaii; and with stone in cargo from Guam.

*Cochlicella barbara* (26 times) on military cargo from France, Morocco, Spain, and Turkey; and in soil in baggage from Italy.

*Cochlicella conoidea* on military cargo from Spain.

*Cochlicella ventrosa* (10 times) on military cargo from the Azores, Bermuda, Italy, Morocco, and an unknown origin.

*Euglandina striata* (17 times) on banana in cargo from Ecuador.

Ten species of *Helicella* were intercepted a total of 41 times from the Azores, France, Greece, Italy, Libya, Morocco, Netherlands, Spain, Turkey, and an unknown origin. The hosts were cabbage seed, camomile, military cargo, nasturtium seed, romaine lettuce, soil sample, soil with automobile, and sweet orange.

*Monacha cantiana* on lettuce in stores from Italy, military cargo from France, and unidentified plant in cargo from Germany.

*Monacha carthusiana* on cabbage seed in baggage and on military cargo from Italy.

*Porphyrobaphe iostoma* (8 times) on banana in cargo from Ecuador and an unknown origin; and in quarters from Ecuador.

*Rumina decollata* in soil in baggage from Italy.

*Solaropsis monile* (3 times) on banana in cargo from Ecuador.

*Subulina octona* on bromeliad plant in aircargo from Surinam and on avocado seedling in air baggage from St. Lucia.

*Theba pisana*, the Mediterranean land snail (64 times), on camomile in aircargo, on military cargo, in quarters, and on beet, cabbage, lettuce, other mollusks, and sweet



orange in stores from the following countries: France, Italy, Libya, Morocco, Spain, Turkey, and an unknown origin.

Other snails of potential economic importance were *Ceciloides acicula*, *Cepaea hortensis*(?), *Helicina strebeli*, *Helix aspersa*, *H. pomatia*, *Lamellaxis gracilis*, *Limax marginatus*, *L. maximus*, *Otala lactea*, *O. vermiculata*, *Oxychilus alliarius*, and *O. draparnaldi*.

#### DISEASES

*Elsinoe australis*, the sweet orange scab, was intercepted a total of 163 times; 98 from Brazil, 55 from Argentina, 7 from an unknown origin, and 3 from Uruguay. The hosts were grapefruit, lemon, lime, Mandarin orange, and sweet orange.

*Phoma citricarpa* (perfect stage is *Guignardia citricarpa* Kiely), the black spot of citrus, was intercepted 255 times; 75 of these came from an unknown origin, 46 from Japan, 34 from Hong Kong, 28 from Australia, 27 from the Republic of South Africa, 25 from China, 8 from Formosa, 3 from Africa (country(?)), 2 each from Asia (country(?)), Fiji, and Mozambique, and 1 each from Brazil, New Zealand, and the West Pacific. The hosts were *Citrus* sp., citron, grapefruit, lemon, Mandarin orange, pummelo, sour orange, sweet orange, and tangelo.

*Xanthomonas citri*, citrus canker, was intercepted 127 times; 107 came from Japan, 4 from Hong Kong, 3 each from China, Formosa, India, and an unknown origin, 2 from the Philippines, and 1 each from Thailand and Vietnam. The hosts were *Citrus* sp., grapefruit, ichandarin, lemon, lime, Mandarin orange, pummelo, Satsuma orange, sour orange, and sweet orange.

*Xanthomonas* sp. (Cancrosis B) was intercepted 5 times; 3 from Argentina and 2 from an unknown origin, on grapefruit and lemon.

Other pathogens of special interest were:

*Gymnosporangium haraeum* on pyramid Chinese juniper and sargent Chinese juniper in air baggage, aircargo, and cargo from Japan.

*Phomopsis occulta* var. *ginkgoina* on dwarf ginkgo tree in cargo from Japan.

*Phomopsis palmicola* on betel palm nut in mail from Guam.

*Phomopsis pterophila* on samara wing of European ash seed in cargo from Italy.

*Phyllosticta salicifoliae* on iron tree in air baggage from Australia.

*Phyllostictina cordylines* on ti in air baggage and aircargo from Hawaii.

*Phyllostictina mangiferae* on mango leaf in baggage from Mexico.

*Prospodium perornatum* on herbarium specimen of trumpet tree in baggage from Mexico.

*Prospodium pithecoctenii* on Mexican monkeycomb seed pod in air baggage and baggage from Mexico.

*Puccinia hordei* on barley straw in mail from Kenya. First interception of this pathogen from that country.

*Puccinia kusanoi* on bamboo leaf in airmail from Japan.

*Puccinia noccae* on *Lagascea glandulosa* cutting in herbarium press in baggage from Mexico. New host as far as is known.

*Sphenospora mera* on *Catasetum* sp. and *Mormodes* sp.(?) orchid leaves in aircargo from Peru.

*Sphenospora saphena* on *Oncidium pulchellum* orchid leaf in air baggage from Haiti and aircargo from Jamaica, on *Oncidium* sp. leaf in aircargo from Peru, and on orchid leaf in air baggage from Haiti. *S. saphena*(?) on *Ionopsis utricularioides* leaf in air baggage from Jamaica. This is a new host for this rust.

*Uredo nidularii* on bromeliad leaf in aircargo from Costa Rica and on tillandsia leaf in baggage and cargo from Mexico.

*Uredo oncidii* on *Ornithocephalus* sp. orchid leaf in aircargo from Panama and Peru and on *Rodriguezia* sp.(?) orchid leaf in aircargo from Peru.

*Uromyces aloes* on *Aloe dewetii*, *A. simii*, and *A. vryheidensis* in aircargo from the Republic of South Africa.

*Uromyces fabae* (5 times) on lentil in air baggage from Argentina, cargo and quarters from Chile, and stores from an unknown origin; and on broadbean in stores from the Netherlands.

#### NEMATODES

*Aphelenchoides bicaudatus* in sweetpotato in baggage from Mexico.

*Aphelenchoides fragariae*(?) in hyacinth bletilla stem in cargo from Japan.

*Criconeimoides mutabile* in soil with flamboyant-tree, philodendron, and unidentified plant in baggage from Mexico.

*Ditylenchus dipsaci* in narcissus bulb in mail from England.

*Helicotylenchus nannus* in soil with asparagus, botree fig, citrus, *Echeveria* sp., laurel, pepper, spiderwort, and unidentified plant in baggage from Mexico.

*Heterodera avenae*, the oat nematode (12 times), in soil with the following: Freesia bulb in cargo from England, garlic and onion in cargo and grape root and lemon tree in baggage from Italy, potato in stores from Belgium, rose bush in mail from Germany, tulip bulb in cargo from Denmark, and used automobile in cargo from Sweden.

*Heterodera cacti* (27 times) in soil with begonia, cactus, fern, garlic, philodendron, tuberose, railway car, and unidentified plants from Argentina, Chile, France, Germany, Italy, Mexico, and Switzerland.

*Heterodera punctata* (14 times) in soil with amaryllis, automobile, babysbreath, begonia, cactus, grass sod, heather, philodendron, railway car, rose, and unidentified plant from Austria, Belgium, England, Germany, Mexico, Norway, and Switzerland.

*Heterodera rostochiensis*, the golden nematode (29 times), in soil sample and soil with chrysanthemum, shamrock, and violet plants in air baggage; in soil with strawberry plant in airmail; in soil with amaryllis, begonia, cactus, fern, *Haworthia papillosa*, ivy, palm, peony, and unidentified plant in baggage; in soil with dahlia root, *Dianthus* sp., horseshoe geranium, *Medinilla magnifica*, and rose plant in mail; and in soil with celeriac, celery, horseradish, lettuce, potato, and turnip in stores. Countries of origin were Belgium, England, Germany, Ireland, Mexico, Netherlands, Poland, Spain, and Sweden.

*Meloidogyne arenaria*, *M. arenaria arenaria* (first interception), *M. hapla*, *M. incognita*, *M. incognita acrita*, and *M. javanica*, rootknot nematodes, were intercepted from Argentina, England, Germany, Guatemala, Italy, Japan, Mexico, Netherlands, and the Republic of South Africa. Hosts were roots of the following: *Alocasia*, asparagus, beet, caladium, calla lily, capefuchsia, carrot, clematis, common edelweiss, coriander, *Cussonia* sp., *Euphorbia multiceps*, fragrant viburnum, gardenia, gerbera, rose bush, tuberose, tuberous begonia, and yam.

*Pratylenchus penetrans* in dahlia root in mail from Australia.

*Pratylenchus pratensis* in geranium in baggage from Mexico.

*Psilenchus hilarulus* in mesembryanthemum and in soil with unidentified plant in baggage from Mexico.

*Radopholus similis* in anthurium root in baggage from Hawaii.

*Scutellonema brachyurum* in soil with *Crassula* sp. and African-violet plants in baggage from Mexico.

*Scutellonema christiei* in soil with philodendron plant in baggage from Mexico.

*Tylenchorhynchus capitatus* in soil with citrus plant in baggage from Mexico.

*Tylenchus costatus* in soil with African-violet plant in baggage from Mexico.

*Tylenchus filiformis* in soil with African-violet plant in baggage from Mexico.

## INCOMPLETELY DETERMINED PESTS

Sometimes it is not possible to complete a determination as to species, due to the stage or condition of the insect or pathogen when intercepted or the fact that it is undescribed. Many of these pests are (1) of potential economic importance, (2) unreported from the country of origin or the United States, or (3) new to the host plant. Some of the significant ones are included in this writeup, but not in the table. This year there were 2,765 insects, 525 diseases, and 195 nematodes, or a total of 3,485 incompletely determined interceptions considered important enough to record.

## INCOMPLETELY DETERMINED FRUIT FLIES

There were 230 incompletely determined fruit fly interceptions as follows:

*Anastrepha* sp., possibly *fraterculus* (Wied.) (4 times) in coffee berry in air baggage from Brazil and Colombia, loquat in air baggage from Brazil, and quince in air baggage from Peru.

*Anastrepha* sp., possibly *ludens* (9 times) in kaki persimmon in air baggage from Mexico, mamey and mamey sapote in baggage from Mexico, mango in baggage from Mexico and quarters from Panama, sweet orange in air stores from Guatemala, and white sapote in baggage from Mexico.

*Anastrepha* sp., possibly *mombinpraeoptans* (15 times), in avocado in air baggage from El Salvador; in mango in air baggage from Aruba, El Salvador, Guatemala, and Panama and in airmail, baggage, and quarters from Puerto Rico; in mombin in air baggage from Costa Rica and Guatemala; in tropical almond in air baggage from Jamaica; and in unidentified fruit in baggage from Mexico.

*Anastrepha* sp., possibly *serpentina* (3 times), in mamey in air baggage and sapote in air baggage and baggage from Mexico.

*Anastrepha* sp., possibly *striata* (Schin.) (9 times), in guava in air baggage from Panama and baggage from Mexico; and in sweet orange in air baggage from Guatemala.

*Anastrepha* sp., possibly *suspensa* (11 times), in guava in air baggage from Cuba and Puerto Rico, in rose-apple in air baggage from the Dominican Republic, in sapodilla in air baggage from Cuba, and in tropical almond in air baggage from Jamaica and Puerto Rico and baggage from an unknown origin.

*Anastrepha* sp., (127 times) in *Annona* sp., apple, baggage, cherimoya, custard-apple, grapefruit, guava, mamey, mango, *Matista cordata*, palm fruit, pear, pepper, purple mombin, quince, sapodilla, sapote, star-apple, sweet orange, tropical almond, unidentified fruit, and yellow mombin. Countries of origin were Argentina, Barbados, Brazil, British Honduras, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Trinidad, an unknown origin, and Venezuela. *Anastrepha* sp. (?) (twice) in Arabian coffee berry in air baggage from Jamaica and Mandarin orange in air stores from Brazil (?).

*Dacus* sp., probably *ciliatus* Loew (once) in cucumber in stores from Senegal.

*Dacus* sp., possibly *cucumerius* Sack (once) in cucumber in stores from French West Africa (intercepted before the division of this country).

*Dacus* sp. (7 times) in avocado in air quarters from an unknown origin, cucumber in stores from the Ivory Coast, and guava in air baggage from American Samoa, Hawaii, and the Philippines. *Dacus* sp. (?) (once) in soursop in air baggage from French Equatorial Africa (intercepted before the division of this country).

*Rhagoletis* sp., possibly *cerasi* (once), in plum in air stores from Spain.

*Rhagoletis* sp. (13 times) in apple, black walnut, and red haw in baggage from Mexico and jujube in air baggage from Italy. *Rhagoletis* sp. (?) (6 times) in apple in air baggage from Mexico, air stores from an unknown origin, and baggage from Italy; in *Crataegus grayana* fruit in mail from an unknown origin; in miyama cherry seed in mail from Japan; and in pear in baggage from Mexico.

Tephritidae, genus and species of Tephritinae (twice) on *Bellis* sp. in air quarters from an unknown origin and on flower with seed in air baggage from Guatemala. Tephritidae, probably Tephritinae (once) on composite flower in packing material in cargo from Mexico.

Tephritidae (16 times) in common smoketree seed in mail from Austria, globe artichoke leaf in air baggage from Italy, green pea in stores from Japan, guava in airmail from Puerto Rico, mango skins in air quarters from Brazil, *Osteospermum spinosum* seed in aircargo from the Republic of South Africa, peach in air baggage from an unknown origin, pepper in air baggage from the Philippines, *Physalis* sp. in cargo from Mexico, plantain in air baggage from Hawaii, pomegranate in baggage from Italy, Satsuma orange in air baggage from Colombia, shelled corn in air baggage from Brazil, and tropical almond in air baggage and mail from Hawaii. Tephritidae (?) (twice) in *Dioon edule* plant in cargo from Mexico and tuberose lei in air baggage from Tahiti.

*Terellia* sp. (once) in globe artichoke in baggage from France.

#### INSECTS OTHER THAN FRUIT FLIES

Of special interest among the incompletely determined insects, other than fruit flies, were the following:

*Acalles* sp. (Curculionidae), not in the U.S. National Museum Collection, in cyclamen bulb in cargo from Italy.

*Aegyptobia* n. sp. (Tenuipalpidae) on leaf of dwarf pyramid Chinese juniper in baggage from Japan.

*Agriotes* sp., near *obscurus* (L.) (Elateridae), in beet in stores from Italy.

Aleyrodidae, new genus near *Aleurodicus*, n. sp., on *Epidendrum fragrans* leaf in aircargo from Nicaragua; and on orchid leaf in aircargo from British Honduras and baggage and cargo from Mexico.

Aphidae, perhaps Pemphiginae, not found in literature or in the U.S. National Museum Collection, on clematis seed in airmail from Japan.

*Argyresthia* sp., near *eugeniella* Busck (Hyponomeutidae), in guava in air baggage from El Salvador.

*Argyresthia* sp. (Hyponomeutidae) on pyramid Chinese juniper in air baggage from Japan.

*Argyroplote* sp. (Olethreutidae) in bell pepper in stores from the Republic of South Africa.



- Athalia* sp. (Tenthredinidae) in petsai in stores from Japan.
- Athous* sp. (Elateridae) in soil with azalea plant in air baggage from Belgium.
- Blastodacna* sp. (Cosmopterygidae) in peach in air stores from Italy.
- Blissus* n. sp. (Lygaeidae) on *Andropogon* sp. grass sample in baggage from Mexico.
- Brachyrhinus* sp. (Curculionidae) with packing material in cargo from the Netherlands.
- Cacdecimorpha* sp., near or *pronubana* (Tortricidae), in sweet orange in baggage from Italy.
- Ceroplastes* sp., may be *cirripediformis* Comst. (Coccidae), on holly malpighia in air baggage from Bermuda.
- Ceroplastes* sp., may be *rusci* complex (Coccidae), on *Eucalyptus* sp.(?) leaf in air baggage from India.
- Ceroplastes* sp. (Coccidae) on bird-of-paradise-flower leaf in aircargo from Italy, on chrysanthemum plant in air baggage from Venezuela, on gardenia leaf in mail from Australia, on laurel in quarters from Italy, on mint plant in air baggage from Cuba, on passionflower in baggage and plumeria in air baggage from Hawaii, and on unidentified leaf in baggage from Italy.
- Chirothrips* sp., probably *aculeatus* Bgn. (Thripidae), on mixed cut flowers in air baggage and nursery stock in cargo from Germany.
- Chrysomphalus* sp., undescribed (Coccidae), on bromeliad leaf in aircargo from Jamaica.
- Cocotrypes* sp. (Scolytidae) in betel palm nut in baggage from India.
- Coptotermes* sp., probably *testaceus* (L.) (Rhinotermitidae), in rosewood log in cargo from Brazil.
- Coptotermes* sp. (Rhinotermitidae) in *Paurotis wrighti* log in cargo from Mexico.
- Dallasiellus* sp. (Pentatomidae), not in U.S. National Museum Collection, on orchid leaf in aircargo from Nicaragua and baggage from Mexico.
- Diaprepes* sp., evidently *famelicus* (Ol.) var. (Curculionidae), on marigold flower in air baggage from Bermuda.
- Diatraea* sp., near or *considerata* Hein. (Crambidae), on sugarcane in baggage from Mexico.
- Diatraea* sp., near or *magnifactella* Dyar (Crambidae), on sugarcane in baggage from Mexico.
- Dinurothrips* sp., may be *hookeri* Hood (Thripidae), very pale for any described species, on orchid plant in aircargo from Peru.
- Dysdercus* sp., possibly *mavrus* Dist. (Pyrrhocoridae), with bromeliad plant in airmail from Brazil.
- "*Eulia*" sp. (Tortricidae) in plum, peach, and grape in cargo from Chile.
- Eurytoma* sp. (Eurytomidae) in bromeliad seed pod in aircargo from Peru, with kafirbread seed in mail from the Republic of South Africa, and in galls on eucalyptus in aircargo from Australia.
- Euura* sp. (Tenthredinidae) in willow twig tie in air baggage from Switzerland.
- Euzophora* sp., near or *bigella* (Zell.) (Phycitidae), in quince in baggage from Greece.
- Fiorinia* sp., not placed as anything described (Coccidae), on date in air baggage from Saudi Arabia.
- Gnorimoschema* sp., near or *borsaniella* (Koehl.) (Gelechiidae), in pepper in air baggage from Argentina.
- Harmolita* sp. (Eurytomidae) on pampasgrass in air baggage from Turkey and on esparto grass in cargo from Italy.
- Heilipus* sp. (Curculionidae) in avocado seed in air baggage from Panama and baggage from Mexico.
- Heliothis* sp., presumably *armigera* (Hbn.) (Noctuidae), with cauliflower in stores from Greece, in chili pepper in stores from Japan, in tomato in cargo from the Canary Islands, in eggplant in stores from the Republic of South Africa, and in corn stalk in aircargo from Spain.
- Hyperodes* sp. (Curculionidae) in carrot in stores from Argentina.
- Ips* sp. (Scolytidae) in pine bark in dunnage from Japan and crate in cargo from Italy.
- Laspeyresia* sp. (Olethreutidae), not represented by larval stage in the U.S. National Museum Collection, in broadbean in aircargo from Italy.
- Lecanium* sp. (Coccidae) on dwarf English yew in cargo from England and on podocarpus leaf in airmail from the Netherlands.
- Lixus* sp. (Curculionidae) on wawa log in cargo from Ghana.
- Lygaeidae, subfamily Pachygronthinae, not represented in the U.S. National Museum Collection, on protea seed in aircargo from the Republic of South Africa.

- Malacorhinus* sp. (Chrysomelidae), not in the U.S. National Museum Collection, on orchid plant in air baggage from Jamaica(?).
- Megastigmus* sp. (Torymidae) in white spruce seed in cargo from Denmark.
- Mesolecanium* sp. (Coccidae), not placed as described, on bromeliad in cargo from Mexico.
- Miridae, subfamily Bryocorinae, tribe Bryocorini, not in the U.S. National Museum Collection, on agave in cargo from Mexico.
- Myelois* group (Phycitidae), a species not represented in the U.S. National Museum Collection, on Ivorycoast cherry-orange in airmail from the Republic of the Congo.
- Nematus* sp. (Tenthredinidae) on birch leaf in air baggage from Italy.
- Neocattarus* sp. (Lygaeidae), probably new, on bromeliad, orchid, and philodendron plants in baggage from Mexico and orchid plant in aircargo from Guatemala.
- Olethreutidae, not represented by larval stage in the U.S. National Museum Collection, in legume pod in stores from Japan.
- Phatnoma* sp. (Tingidae), not in the U.S. National Museum Collection, in cacao bean pod in air baggage from Ecuador.
- Phyllobrotica* sp. (Chrysomelidae) on lily bulb in cargo from Japan.
- Pieris* sp., probably *brassicae* (Pieridae), with military cargo from Greece.
- Premnotrypes* sp. (Curculionidae) (7 times) in potato in air baggage and stores from Colombia and Peru.
- Reticulitermes* sp., probably *lucifugus* (Rossi) (Rhinotermitidae), on dahlia root in baggage from Greece.
- Stenotarsonemus* sp. (Tarsonemidae), probably n. sp., on sweet orange in air stores from Jamaica.
- Stephanopachys* sp., probably *quadricollis* (Marseul) (Bostrichidae), in pine wood in cargo from Portugal.
- Tetranychus* sp., probably undescribed, near *cinnabarinus* (Bois) (Tetranychidae), on nettlespurge in baggage from Aruba.
- Xyloperthodes* sp., probably *nitidipennis* (Murray) (Bostrichidae), in wawa log in cargo from Ghana.

#### INCOMPLETELY DETERMINED DISEASES

Of the 525 incompletely determined diseases which were recorded, the following are of special interest:

- Ascochyta* sp. on *Glycine javanica* seed in mail from Ethiopia. None reported from Ethiopia as far as is known.
- Cercospora* sp. on coriander in cargo from Puerto Rico and on mahonia in air baggage from Japan. None reported on mahonia as far as is known.
- Colletotrichum* sp. on leaf of oyster rhoeo in mail from Hawaii. None reported on this host as far as is known.
- Coniothecium* sp., may be *chomatosporum* Cda., on apple in cargo from New Zealand.
- Coniothyrium* sp. on lemon in stores from Aruba and on sour orange in stores from Japan.
- Curvularia* sp., probably *geniculata* group, on *Strongylodon macrobotrys* in aircargo from the Philippines.
- Diorchidium* sp. or *Dicheirinia* sp., probably new, on senna in baggage from Mexico.
- Dothiorella* sp., probably new, on orchid stem in aircargo from British Honduras and Venezuela.
- Eremotheca* sp. on *Odontoglossum* sp. leaf in cargo from Mexico.
- Graphium* sp. on Hindu lotus in stores from Japan. None reported on this host as far as is known.
- Hormiscus* sp. on boojamtree plant in baggage from Mexico.
- Massaria* sp. on *Conyza velutina* cutting in aircargo from the Federation of Malaya. None reported on this host as far as is known.
- Monilia* sp. on *Bombax* sp.(?) fruit in baggage from Mexico.
- Mycosphaerella* sp. on tree peony plant in aircargo from Japan.
- Ophiobolus* sp. on coconut in baggage from Hawaii and Tahiti.
- Phomopsis* sp. on flame amherstia in aircargo from Indonesia, *Lucia calathea* leaf petiole in aircargo from Canada, and smooth senna seed in mail from Southeast Asia.
- Phyllosticta* sp. on teatree in aircargo from Australia.
- Phyllostictina* sp. on maile alyxia in air baggage from Hawaii and nandina in air baggage from Japan.
- Robillarda* sp., close to *agrostidis* Sprague, on Bermuda grass in airmail from India.
- Robillarda* sp. on vanda orchid leaf in baggage from Venezuela.
- Septoria* sp. on common anthurium leaf in aircargo from Belgium and on coriander in baggage from Mexico.

*Sphenospora* sp., may be new, on *Huntleya burtii* orchid plant in aircargo from Costa Rica, on *Lycaste* sp. (?) leaf in aircargo from Peru, and on pansyorchid leaf in air baggage from Panama.

*Sporodesmium* sp., close to *tropicale* Ellis, on sago palm plant in air baggage from Okinawa. New to host as far as is known.

#### INCOMPLETELY DETERMINED NEMATODES

*Aphelenchoides* sp., closely related to *parietinus* (Bastian) Steiner, in dahlia root in mail from France.

*Aphelenchoides* sp. in dahlia root in cargo from Japan, geranium leaf in baggage from Mexico, oxalis bulb in aircargo from the Netherlands, narcissus plant in baggage from Mexico, and in soil with elephantsear plant, tuberose bulb, and unidentified cutting in baggage from Mexico.

*Aphelenchus* sp. in dahlia root in mail from France and in narcissus plant and soil with tuberose bulb in baggage from Mexico.

*Criconemoides* sp. in soil with banana and jasmine plants in baggage from Mexico.

*Ditylenchus* sp. in narcissus plant in baggage from Mexico.

*Helicotylenchus* sp. in soil sample and soil with African-violet, banana, cactus, coleus, gardenia, and unidentified cutting and plant in baggage from Mexico.

*Heterodera* sp., probably *rostochiensis*, in soil with *Haworthia papillosa* plant in baggage from Mexico.

Other members of the genus *Heterodera* were intercepted a total of 91 times from Argentina, Bahamas(?), Belgium, Bermuda, Chile, Colombia, Czechoslovakia, El Salvador, England, France, Germany, Ireland, Italy, Japan, Mexico, Netherlands, Norway, Spain, Sweden, and Yugoslavia. These were taken from a soil sample and soil, in air baggage and baggage, with gladiolus corm, unidentified bulb, and the following plants: Asparagus, begonia, cactus, carnation, Compositae, flamboyant-tree, gerbera, gloxinia, heather, ivy, Ming tree, myrtle, parsley, rosemary, sansevieria, unidentified plant, and walnut seedling; from soil in aircargo and cargo with aircraft engine, automobile, machinery, sun dried adobe brick, tank tracks, and the following plant material: Cape-cowslip bulb, garlic, lily bulb, and onion; from soil in air stores and stores with beet, carrot, celeriac, parsley, potato, turnip, and yam; and from soil in mail with dahlia root, iris rhizome, laurel tree, and rose bush.

*Meloidogyne* sp., probably *hapla*, in dahlia root in soldier's mail from an unknown origin.

*Meloidogyne* sp., probably n. sp., in tuberose bulb in cargo from Italy.

*Meloidogyne* sp. was intercepted 51 times in roots of agapanthus, alumroot, *Andromischus* sp., astilbe, begonia, caladium, calla lily, canna, clematis, Compositae, dahlia, dasheen, delphinium, echeveria, eucharis, freesia, gentian, gerbera, gloxinia, Japanese iris, monkshood, plantain-lily, *Recksteineria cardinalis*, roundleaf resurrection-lily, rose bush, and unidentified cutting and plant. Countries of origin were Australia, Cuba, England, France, Germany, Greece, Guatemala, India, Israel, Italy, Japan, Mexico, Netherlands, Republic of South Africa, Spain, and Switzerland.

*Pratylenchus* sp. in dahlia root and Japanese iris rhizome in cargo from Japan, Christmas-rose and primrose roots in cargo from the Netherlands, resurrection-lily root in aircargo from England, and soil with laurel tree in baggage from Mexico.

*Psilenchus* sp. in soil with laurel tree and spiderwort plant in baggage from Mexico.

*Rotylenchulus* sp. in soil with unidentified plant in baggage from Jamaica.

*Rotylenchus* sp. in root of poinsettia plant in stores from Hawaii.

*Scutellonema* sp. in soil with unidentified plant in baggage from Mexico.

*Tylenchorhynchus* sp. in aluminum plant in air baggage from Germany and in soil with African-violet, laurel tree, and unidentified plant in baggage from Mexico.

*Tylenchus* sp. in soil with cactus plant and tuberose bulb in baggage from Mexico.

*Xiphinema* sp. in soil with unidentified plant in baggage from Mexico.



*Summary of Numbers of Interceptions Listed in Main Table*

Country	Insect	Disease	Country	Insect	Disease
<b>Africa:</b>			<b>Europe—Continued</b>		
Africa (country(?)).....	2	3	Belgium.....	18	8
Algeria.....	2	0	Bulgaria.....	2	0
Angola.....	1	0	Czechoslovakia.....	2	0
British West Africa.....	1	0	Denmark.....	5	3
Cameroun.....	1	0	England.....	99	28
Canary Islands.....	1	0	Finland.....	1	0
Cape Verde Islands.....	3	0	France.....	96	5
Ethiopia.....	1	0	France(?).....	2	1
Federation of Rhodesia and			Germany.....	47	16
Nyasaland.....	3	0	Greece.....	39	0
Gambia.....	1	0	Hungary.....	9	0
Kenya.....	3	1	Ireland.....	69	2
Liberia.....	1	0	Italy.....	332	14
Libya.....	5	0	Italy(?).....	1	0
Madeira Islands.....	1	0	Netherlands.....	59	9
Morocco.....	57	0	Netherlands(?).....	1	0
Mozambique.....	1	2	Northern Ireland.....	137	0
Nigeria.....	5	0	Norway.....	8	2
Republic of South Africa.....	27	35	Poland.....	14	2
Republic of the Congo.....	1	0	Portugal.....	19	1
Senegal.....	1	0	Rumania.....	1	0
Sudan.....	16	0	Scotland.....	16	1
Tanganyika.....	1	0	Spain.....	69	5
United Arab Republic.....	26	0	Sweden.....	4	2
<b>Asia:</b>			Switzerland.....	4	17
Asia (country(?)).....	0	2	Yugoslavia.....	7	0
Burma.....	1	0	<b>North America:</b>		
Ceylon.....	7	0	Bermuda.....	14	1
China.....	6	32	Canada.....	1	5
Cyprus.....	4	0	<b>Central America:</b>		
Federation of Malaya.....	3	0	British Honduras.....	36	5
Formosa.....	20	12	Canal Zone.....	17	3
Hong Kong.....	11	38	Costa Rica.....	25	9
India.....	83	7	El Salvador.....	22	0
Indonesia.....	2	0	Guatemala.....	35	4
Iran.....	4	0	Honduras.....	21	4
Iraq.....	1	0	Nicaragua.....	17	3
Israel.....	14	0	Panama.....	25	6
Israel(?).....	1	0	Panama(?).....	1	0
Japan.....	603	468	Mexico.....	479	136
Japan(?).....	6	0	<b>West Indies:</b>		
Korea.....	3	2	American Virgin Islands.....	2	0
Kuwait.....	1	0	Anguilla.....	1	0
Lebanon.....	12	0	Antigua.....	4	1
Pakistan.....	15	2	Bahamas.....	15	8
Singapore.....	7	1	Barbados.....	3	0
Thailand.....	8	3	British West Indies.....	2	0
Turkey.....	8	0	Cuba.....	75	1
Vietnam.....	1	1	Curacao.....	1	0
<b>Australasia:</b>			Dominica.....	2	0
American Samoa.....	3	1	Dominican Republic.....	22	2
Australia.....	12	41	Grand Cayman.....	3	0
Australia(?).....	1	0	Haiti.....	30	4
Canton Island.....	1	0	Jamaica.....	52	11
Christmas Island.....	4	0	Martinique.....	1	0
Eniwetok.....	0	1	Montserrat.....	1	0
Fiji.....	6	2	Netherlands West Indies.....	1	0
Fiji(?).....	2	0	Puerto Rico.....	41	2
Guam.....	6	2	Puerto Rico(?).....	1	0
Guam(?).....	1	0	St. Kitts.....	4	0
Hawaii.....	482	13	St. Lucia.....	3	0
Kwajalein.....	3	0	Tortola.....	1	0
Netherlands New Guinea.....	1	0	Trinidad.....	17	6
New Guinea.....	1	0	West Indies (island(?)).....	2	0
New Zealand.....	2	2	<b>South America:</b>		
Norfolk Island.....	0	8	Argentina.....	17	61
Okinawa.....	6	1	Argentina(?).....	1	0
Okinawa(?).....	2	0	Brazil.....	89	107
Palmyra Island.....	1	0	Brazil(?).....	1	0
Palmyra Island(?).....	1	0	British Guiana.....	5	0
Philippines.....	38	9	Chile.....	32	4
Philippines(?).....	3	0	Chile(?).....	0	1
Solomon Islands.....	1	0	Colombia.....	20	2
South Pacific.....	2	0	Ecuador.....	60	2
Southwest Pacific.....	1	0	Peru.....	19	18
Tahiti.....	8	1	South America (country(?)).....	1	0
West Pacific.....	0	1	Surinam.....	2	1
<b>Europe:</b>			Uruguay.....	0	3
Austria.....	2	1	Venezuela.....	10	1
Austria(?).....	1	0	Venezuela(?).....	2	0
Azores.....	15	0			

*Summary of Numbers of Interceptions Listed in Main Table—Continued*

Country	Insect	Disease	Country	Insect	Disease
Totals:			Totals—Continued		
Africa.....	161	41	Total incompletely determined pests.....	2,765	720
Asia.....	821	568	Total insect interceptions.....	6,775	2,033
Australasia.....	588	82	Total disease interceptions.....		8,808
Europe.....	1,079	117	Grand total*.....		
North America.....	977	211			
South America.....	259	200			
Unknown.....	125	94			
Total.....	4,010	1,313			

\* This total represents only pests of known or potential plant quarantine importance or organisms of scientific interest. The total of all interceptions made during the year was 25,575.

NOTE.—Interceptions were also made from Aruba, Bolivia, Guadeloupe, Ivory Coast, Jordan, Midway Islands, St. Martin, Saudi Arabia, and Wake Island.

## Pests Collected and Reported From July 1, 1960, Through June 30, 1961

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Acanthoderes circumflexa</i> (DuVal) (Cerambycidae): Airplane	Jamaica	-----	1	-----	Fla.
<i>Acanthoscelides obrepus</i> Bridwell (Bruchidae): <i>Phaselous lunatus</i> (lima bean)	Peru	-----	1	-----	Calif.*
<i>Acanthothrips coriaceus</i> (Hal.) (Phlaeothripidae): <i>Lathyrus odoratus</i> (sweet pea) flower	Sweden	1	-----	-----	N.Y.
<i>Aceria hibisci</i> (Nal.) (Eriophyidae): <i>Hibiscus rosa-sinensis</i> (Chinese hibiscus)	American Samoa	-----	1	-----	Hawaii.
<i>Aceria macrohynchus</i> Nal. (Eriophyidae): <i>Acer</i> sp. (maple) leaf	Iran	-----	-----	1	D.C.
<i>Aceria pluchaeae</i> (Cook) (Eriophyidae): <i>Pluchea odorata</i> (leaf)	Haiti	1	-----	-----	Fla.
<i>Aceria tulipae</i> (Keif.) (Eriophyidae): <i>Allium cepa</i> (onion)	Ecuador	-----	1	-----	Calif.*
<i>A. sativum</i> (garlic)	Argentina, Venezuela	-----	2	-----	Fla., N.Y.
<i>Achaea janata</i> (L.) (Noctuidae): Flowers	Hawaii	1	-----	-----	Hawaii.
<i>Achatina fulica</i> Bowdich (Achatinidae): Baggage	do	3	-----	-----	Hawaii.
Mail (shell collection)	do	1	-----	-----	Hawaii.
Stone	Guam	1	-----	-----	Calif.*
<i>Aclerda fraterna</i> (Stal) (Pentatomidae): <i>Vitis</i> sp. (grape)	Chile	1	-----	-----	N.Y.
<i>Acrolepia assectella</i> (Zell.) (Hyponomeutidae): <i>Allium porrum</i> (leek)	France, Italy, Spain	-----	7	-----	N.Y., Pa.
<i>Acronicta rumicis</i> (L.) (Noctuidae): <i>Juniperus chinensis</i> (pyramid Chinese juniper)	Japan	-----	-----	1	Hawaii.
<i>Adoretus sinicus</i> Burm. (Scarabaeidae): <i>Alpinia purpurata</i>	Hawaii	1	-----	-----	Hawaii.
<i>Adozophyes orana</i> (F.R.) (Tortricidae): <i>Malus sylvestris</i> (apple)	Unknown	-----	1	-----	N.Y.
<i>Prunus persica</i> (peach)	do	1	-----	-----	N.Y.
<i>Rosa hybrid</i> (rose)	Netherlands	-----	-----	1	N.Y.
<i>Aegiale hesperiaris</i> (Wlk.) (Megathymidae): <i>Agave americana</i> (century plant)	Mexico	1	-----	-----	Tex.
<i>Aethus indicus</i> (Westw.) (Pentatomidae): Airplane	Japan	-----	-----	1	Hawaii.
<i>Aganactesis indecora</i> Dyar (Galleriidae): <i>Cassia fistula</i> (goldenshower senna) pod	Jamaica	1	-----	-----	Fla.
<i>Cassia</i> sp.	Dominican Republic	1	-----	-----	N.Y.
<i>Agroiconota propinqua</i> (Boh.) (Chrysomelidae): Bromeliad	Mexico	-----	-----	1	Ariz.
<i>Aleurocanthus spiniferus</i> (Q.) (Aleyrodidae): <i>Citrus aurantium</i> (sour orange) leaf	Japan	-----	1	-----	Calif.*
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae): <i>Citrus aurantifolia</i> (lime) leaf	Mexico	1	-----	-----	Tex.
<i>C. sinensis</i> (sweet orange) leaf	Jamaica	-----	1	-----	Fla.
<i>Citrus</i> sp. (leaf)	Mexico, Nicaragua	6	-----	-----	Calif.,* Tex.
<i>Aleuroglandulus emmae</i> Rsl. (Aleyrodidae): <i>Psidium guajava</i> (guava) leaf	Mexico	-----	-----	1	Calif.
<i>Aleurolobus marlatti</i> (Q.) (Aleyrodidae): <i>Citrus sinensis</i> (sweet orange)	Japan	-----	1	-----	Calif.*
<i>Aleurotrachelus camelliae</i> (Kuw.) (Aleyrodidae): <i>Camellia japonica</i> (common camellia) leaf	do	-----	-----	1	D.C.
<i>Aleurotuberculatus aucubae</i> (Kuw.) (Aleyrodidae): <i>Citrus aurantium</i> (sour orange)	do	-----	1	-----	Calif.*
<i>C. reticulata</i> (Mandarin orange)	do	-----	1	-----	Calif.*
<i>C. sinensis</i> (sweet orange)	do	-----	3	-----	Calif.,* Hawaii.
<i>Osmanthus fragrans</i> (sweet osmanthus)	do	-----	-----	1	Calif.*
<i>Alloxais spinosus</i> Arnett (Oedemeridae): Airplane	Antigua	-----	1	-----	Am. V.I.
<i>Alpheias conspirata</i> Hein. (Galleriidae): <i>Ananas comosus</i> (pineapple)	Mexico	3	-----	-----	Tex.
<i>Amitermes foreli</i> Wasmann (Termitidae): <i>Dalbergia</i> sp. (rosewood) log	Brazil	1	-----	-----	La.
<i>Amitermes wheeleri</i> (Desn.) (Termitidae): Cactus	Mexico	-----	-----	1	Tex.



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		Consumption	Nonentry	Propagation	
<i>Anastrepha ludens</i> (Loew) (Tephritidae):					
<i>Annona cherimola</i> (cherimoya).....	do.....	1			Tex.
<i>Citrus aurantifolia</i> (sweet lime).....	do.....	6			Ariz., Tex.
<i>C. aurantium</i> (sour orange).....	do.....	1			Tex.
<i>C. paradisi</i> (grapefruit).....	do.....	8	1		Tex.
<i>C. sinensis</i> (sweet orange).....	Guatemala, Mexico.....	47	18		Ala., Ariz., Calif., Calif.,* Fla., Ga., Ill., La., Tex.
<i>Cydonia oblonga</i> (quince).....	Mexico.....	2			Tex.
<i>Mangifera indica</i> (mango).....	Guatemala, Mexico.....	66			Ariz., Calif., Calif.,* Ill., N.Y., Tex.
<i>Punica granatum</i> (pomegranate).....	Mexico.....	1			Ariz.
<i>Anastrepha mombinpraepotans</i> Sein (Tephritidae):					
<i>Calocarpum sapota</i> (sapote).....	do.....	1			Tex.
<i>Mangifera indica</i> (mango).....	Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Trinidad, West Indies (island(?)).	103	21		Ala., Calif., Calif.,* Fla., Ga., Ill., La., Md., N.Y., Pa., P.R., Tex.
<i>Spondias mombin</i> (yellow mombin).....	El Salvador, Guatemala, Honduras, Nicaragua, Puerto Rico.	14			Calif.,* Fla., P.R.
<i>S. purpurea</i> (purple mombin).....	Colombia.....	1			Fla.
<i>Spondias</i> sp.....	Costa Rica.....	1			Fla.
<i>Terminalia catappa</i> (tropical almond).....	American Virgin Islands.....	1			Fla.
<i>Anastrepha serpentina</i> (Wied.) (Tephritidae):					
<i>Calocarpum sapota</i> (sapote).....	Mexico, Nicaragua.....	2			Calif.*
<i>Chrysophyllum cainito</i> (star-apple).....	Nicaragua.....	1			Calif.*
<i>Sideroxylon tempisque</i> (Tempisque jungleplum).....	Mexico.....			1	Tex.
<i>Anastrepha suspensa</i> (Loew) (Tephritidae):					
Airplane.....	Puerto Rico(?).....		1		Fla.
<i>Psidium guajava</i> (guava).....	Puerto Rico.....	1			P.R.
<i>Ancognatha scarabaeoides</i> Er. (Scarabaeidae):					
Airplane.....	Unknown.....		1		Fla.
<i>Ancylostomia stercorea</i> (Zell.) (Phycitidae):					
<i>Cajanus cajan</i> (pigeonpea).....	Bahamas, British West Indies, Colombia, Dominican Republic, Haiti, Panama, St. Kitts.	19			Am. V.I., Bahamas, Fla., N.Y., P.R., Tex.
<i>Phaseolus vulgaris</i> (bean).....	Jamaica, Panama.....	3			Fla.
<i>Pisum sativum</i> (pea).....	Panama, Puerto Rico.....	2			Calif.,* Ill.
<i>Andrector salvini</i> (Baly) (Chrysomelidae):					
Orchid.....	Canal Zone.....			1	Calif.*
<i>Anoplotermes ater</i> (Hagen) (Termitidae):					
Wood (crate for monkey).....	Colombia.....	1			Fla.
<i>Antonina graminis</i> (Mask.) (Coccidae):					
<i>Digitaria decumbens</i> (pangolagrass).....	Hawaii.....	1			Hawaii.
<i>Anuraphis apiifoliae</i> (Theob.) (?) (Aphidae):					
<i>Foeniculum vulgare</i> (common fennel).....	Italy.....		1		Pa.
<i>Petroselinum crispum</i> (parsley).....	Bermuda.....	1			N.Y.
<i>Anuraphis cardui</i> (L.) (Aphidae):					
<i>Cynara scolymus</i> (artichoke).....	Italy.....	2	1		N.Y., Tex.
Flowers.....	Sweden.....		1		Mass.
<i>Aonidiella citrina</i> Coq. (Coccidae):					
<i>Citrus limon</i> (lemon).....	Israel.....		1		Mich.
<i>C. paradisi</i> (grapefruit).....	Japan.....		1		Hawaii.
<i>C. sinensis</i> (sweet orange).....	Australia.....		1		Hawaii.
<i>C. sinensis</i> x <i>Poncirus trifoliata</i> (citrange).....	Argentina.....			1	D.C.
<i>Citrus</i> sp.....	Japan, Lebanon.....		1	1	N.J., Hawaii
<i>Aonidiella comperei</i> McKenzie (Coccidae):					
<i>Jasminum</i> sp. (jasmine).....	Cuba.....	1		1	Fla.

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<i>Aonidiella inornata</i> McKenzie (Coccidae):					
<i>Mangifera indica</i> (mango)	Philippines	1			Hawaii.
<i>Aphis callunae</i> Theob. (Aphidae):					
<i>Calluna vulgaris</i> (heather)	Germany, Norway, Scotland.	3		1	N.Y.
<i>Apion carduorum</i> Kirby (Curculionidae):					
<i>Cynara scolymus</i> (artichoke)	Italy	1			N.Y.
<i>Ardis sulcata</i> (Cam.) (Tenthredinidae):					
<i>Rosa hybrid</i>	do			1	N.Y.
<i>Arge ochropa</i> (Gmel.) (Argidae):					
<i>Dianthus caryophyllus</i> (carnation)	Germany	1			N.Y.
<i>Argyresthia conjugella</i> (Zell.) (Hyponomeutidae):					
<i>Malus sylvestris</i> (apple)	Norway, Poland	1	1		Ill., N.Y.
<i>Arphnus melanotylus</i> Ashlock (Lygaeidae):					
Bromeliad	Mexico			2	Tex.
<i>Ascia monuste</i> (L.) (Pieridae):					
Baggage (with dog crate)	Cuba	1			Fla.
<i>Aspidiotus degeneratus</i> (Leon) (Coccidae):					
<i>Camellia</i> sp. (leaf)	Japan			2	D.C., Hawaii, D.C.
<i>Vaccinium bracteatum</i> (oriental blueberry)	do			1	
<i>Aspidiotus destructor</i> Sign. (Coccidae):					
<i>Annona squamosa</i> (sugar-apple)	Cuba	1			Fla.
<i>Citrus sinensis</i> (sweet orange)	do	1			Fla.
<i>Cocos nucifera</i> (coconut)	Bahamas, Costa Rica, Honduras, Mexico, Panama, Philippines.	6	5	1	Calif.,* Fla., Tex.
<i>Kentia</i> sp. (palm)	Philippines		1		Calif.*
<i>Nerium oleander</i> (oleander)	Bahamas		1		Fla.
Palm (seed coat)	Cuba			1	Fla.
<i>Pandanus amaryllifolius</i> (screwpine)	Indonesia			1	D.C.
<i>Rosa hybrid</i> (rose) leaf	Tortola			1	Am. V.I.
<i>Aspidiotus excisus</i> Green (Coccidae):					
<i>Cocos nucifera</i> (coconut)	Philippines		1		Calif.*
<i>Aspidiotus herculeanus</i> Ckll. & Hadden (Coccidae):					
<i>Macadamia</i> sp. (bark)	Australia			1	Calif.*
<i>Aspidiotus mendax</i> (McKenzie) (Coccidae):					
Orchid (leaf)	Guatemala			1	Fla.
<i>Aspidiotus palmae</i> Ckll. (Coccidae):					
<i>Citrus sinensis</i> (sweet orange)	Costa Rica		1		Calif.*
<i>Cocos nucifera</i> (coconut) cap and stem	Costa Rica, Mexico	1	1		Calif.*
<i>Kentia</i> sp. (palm) leaf	Philippines		1		Calif.*
Orchid (leaf)	Guatemala			1	Fla.
<i>Aspidiotus pangensis</i> Doane & Ferris (Coccidae):					
<i>Cocos nucifera</i> (coconut)	American Samoa	1			Hawaii.
<i>Aspidiotus pyri</i> Licht. (Coccidae):					
<i>Platanus orientalis</i> (oriental planetree)	Greece			1	D.C.
<i>Aspidiotus zonatus</i> Frfld. (Coccidae):					
<i>Quercus pontica</i> (Pontic oak)	Netherlands			1	D.C.
<i>Asterobemisia carpinii</i> (Koch) (Aleyrodidae):					
<i>Rubus</i> sp. (leaf)	France		4		Mass., Wash.
<i>Asterolecanium bambusae</i> (Bdv.) (Coccidae):					
<i>Bambusa multiplex</i>	Puerto Rico			2	D.C.
<i>Asterolecanium epidendri</i> (Bouché) (Coccidae):					
<i>Bifrenaria aureofulva</i> (hardy terrestrial orchid) leaf	Brazil			1	Fla.
<i>Broughtonia</i> sp. (orchid) leaf	Jamaica			1	Fla.
<i>Catasetum barbatum</i> (orchid) leaf	Brazil			1	N.J.
<i>Cattleya</i> sp. (orchid) leaf	do			1	Fla.
<i>Epidendrum ciliare</i> (orchid) leaf	Costa Rica			1	Calif.*
<i>Epidendrum</i> sp. (leaf)	Cuba			1	Fla.
Orchid (leaf)	Brazil, Germany, Jamaica.			5	Fla., N.Y.
<i>Peristeria pendula</i> (orchid) leaf	British Guiana			1	N.Y.
<i>Asterolecanium inlabefactum</i> Rsl. (Coccidae):					
<i>Chamaedorea oblongata</i> (palm) leaf	Mexico	1			Tex.
<i>Asterolecanium miliaris robustum</i> Green (Coccidae):					
Bamboo (leaf)	do	1			Ariz.
<i>Asterolecanium simile</i> Rsl. (Coccidae):					
Palm	Jamaica	1			Fla.

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		Consump- tion	Nonentry	Propaga- tion	
<i>Athalia colibri</i> (Christ) (Tenthredinidae):					
<i>Lactuca sativa</i> (lettuce).....	France.....		1		N.Y.
<i>Augocoris illustris</i> (F.) (Pentatomidae):					
Quarters.....	Cuba.....		1		Fla.
<i>Aulacaspis crawii</i> (Ckll.) (Coccidae):					
<i>Murraya paniculata</i> (orange-jasmine).....	Hawaii.....	1			Hawaii.
<i>Aulacaspis tubercularis</i> Newst. (Coccidae):					
<i>Mangifera indica</i> (mango).....	El Salvador, Honduras, Philippines, Venezuela.	7	1	1	Calif.,* Fla., Hawaii, P.R.
<i>Aulacoscelis melanocera</i> Dup. & Chevr. (Chrysomelidae):					
Cactus.....	Mexico.....			1	Tex.
<i>Automolis atania</i> Schaus (Arctiidae):					
<i>Musa paradisiaca</i> (plantain).....	Guatemala.....	1			La.
<i>Auzimobasis coffeella</i> Busck (Blastobasidae):					
<i>Coffea arabica</i> (Arabian coffee) berry.....	Costa Rica.....	1			Fla.
<i>Azochis gripusalis</i> Wlk. (Pyraustidae):					
<i>Ficus carica</i> (fig) stem.....	Brazil.....			1	P.R.
<i>Batrachedra linaria</i> Clarke (Cosmopterygidae):					
<i>Agave</i> sp.....	Mexico.....			2	Calif.
<i>Bemisia citricola</i> Gomez-Menor (Aleyrodidae):					
<i>Citrus sinensis</i> (sweet orange) leaf.....	France.....	1			Ohio.
<i>Bemisia tabaci</i> (Genn.) (Aleyrodidae):					
<i>Cananga odorata</i> (ylangylang).....	Singapore.....			1	Hawaii.
<i>Bephrata maculicollis</i> Cam. (Eurytomidae):					
<i>Annona muricata</i> (soursoop) seed.....	Colombia.....	1			Fla.
<i>Blastobasis inana</i> (Btlr.) (Blastobasidae):					
<i>Cocos nucifera</i> (coconut).....	Hawaii.....	1			Hawaii.
<i>Blissus diplopterus</i> Dist. (Lygaeidae):					
<i>Hakea</i> sp. (seed).....	Republic of South Africa.			1	D.C.
<i>Bostrychoplites cornutus</i> (Ol.) (Bostrichidae):					
Wood (carving).....	do.....	1			Tex.
<i>Brachycerus algirus</i> (F.) (Curculionidae):					
<i>Allium sativum</i> (garlic).....	Spain.....	1			P.R.
<i>Bradybaena similaris</i> (Fer.) (Bradybaenidae):					
<i>Alpinia purpurata</i> .....	Hawaii.....			1	Hawaii.
<i>Anthurium</i> sp.....	do.....	1			Hawaii.
<i>Cordyline terminalis</i> (ti).....	do.....			1	Calif.*
Flowers.....	do.....	1			Hawaii.
<i>Heliconia</i> sp.....	do.....	1			Hawaii.
<i>Ipomoea batatas</i> (sweetpotato).....	do.....	1			Hawaii.
Orchid.....	do.....	1			Hawaii.
Soil with <i>Asparagus</i> sp.....	Bermuda.....			1	Mass.
<i>Vanda</i> 'Miss Joaquim' (orchid).....	Hawaii.....	3			Hawaii.
<i>Vanda</i> sp.....	do.....	2			Hawaii.
<i>Bradysia carbonaria</i> (Meig.) (Sciaridae):					
Automobile.....	Ireland.....	1			Pa.
<i>Brevipalpus chilensis</i> Baker (Tenuipalpidae):					
<i>Citrus limon</i> (lemon).....	Chile.....		2		Fla.
<i>Phragmites</i> sp. (reed) straw jacket.....	do.....	1			Fla.
<i>Vitis</i> sp. (grape).....	do.....	2			Fla., N.Y.
<i>Brevipalpus obovatus</i> Donn. (Tenuipalpidae):					
<i>Citrus limon</i> (lemon).....	Italy (?), Spain.....	2			N.Y.
<i>C. reticulata</i> (Mandarin orange).....	Argentina.....		1		N.Y.
<i>Fuchsia</i> sp.....	New Zealand.....			1	Hawaii.
<i>Lippia</i> sp.....	Argentina.....			1	Fla.
<i>Mentha</i> sp. (mint).....	Mexico.....	1			Tex.
<i>Rhododendron</i> sp. (azalea).....	Japan.....			1	Hawaii.
<i>Ruta graveolens</i> (common rue).....	Mexico.....			1	Calif.
<i>Brevipalpus phoenicis</i> (Geijskes) (Tenuipalpidae):					
<i>Annona muricata</i> (soursoop).....	Haiti.....	1			Fla.
<i>Citrus paradisi</i> (grapefruit).....	Colombia.....	1			Fla.
<i>C. reticulata</i> (Mandarin orange).....	Argentina, Brazil.....		2		Fla., N.Y.
<i>C. sinensis</i> (sweet orange).....	Argentina, Brazil, Colombia.	5	2		Fla., N.Y.
<i>Coffea</i> sp. (coffee) leaf.....	Brazil.....	1			Tex.
<i>Izora</i> sp. (flower).....	Tahiti.....	1			Hawaii.
<i>Tecomaria capensis</i> (Cape honeysuckle).....	Hawaii.....	1			Hawaii.
Wood (twig—unidentified).....	Spain.....		1		Fla.
<i>Bruchus affinis</i> Froel. (Bruchidae):					
<i>Lathyrus odoratus</i> (sweetpea) seed.....	Netherlands.....			1	N.J.



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<i>Bruchus emarginatus</i> Allard (Bruchidae):					
<i>Lathyrus latifolius</i> (perennial pea) seed.....	France.....			1	Calif.*
<i>Bruchus ervi</i> Froel. (Bruchidae):					
<i>Lens culinaris</i> (lentil).....	Greece, Iran, Italy, Lebanon.	12		1	D.C., Mass., N.Y.
<i>Pisum sativum</i> (pea).....	Italy.....	1			N.Y.
<i>Bruchus guttalis</i> Rey (Bruchidae):					
Straw (jacket).....	Haiti.....	1			Fla.
<i>Vicia sativa</i> (vetch) seed and straw jacket.....	Portugal.....	5			N.J., S.C.
<i>Bruchus lentis</i> Froel. (Bruchidae):					
<i>Lens culinaris</i> (lentil).....	Germany, Greece, Italy, Spain.	6	9		Mass., Mich. N.Y., N.C., Pa., S.C., Tex.
<i>Bruchus signaticornis</i> Gyll. (Bruchidae):					
<i>Lens culinaris</i> (lentil).....	France, Italy, Spain.....	14	1		Mass., N.Y.
<i>Bruchus tristiculus</i> Fahr. (Bruchidae):					
<i>Cicer arietinum</i> (chickpea).....	Azores.....	1			Mass.
<i>Lathyrus</i> sp. (seed).....	Belgium.....			1	Mich.
<i>Bruchus tristis</i> Boh. (Bruchidae):					
<i>Lathyrus sativus</i> (grass pea).....	Italy.....	6			N.J., N.Y.
<i>Lupinus albus</i> (white lupine) seed.....	do.....	1			N.Y.
<i>Pisum sativum</i> (pea).....	Greece.....		1		La.
<i>Vicia faba</i> (broadbean).....	Italy.....	1			N.Y.
<i>Bryobia eharri</i> Pritchard & Keifer (Tetranychidae):					
<i>Chrysanthemum morifolium</i> .....	Japan.....	2			Hawaii.
<i>Cacaecimorpha pronubana</i> (Hbn.) (Tortricidae):					
<i>Punica granatum</i> (pomegranate).....	Italy.....	2			N.Y.
<i>Sechium edule</i> (chayote).....	do.....	1			N.Y.
<i>Calameuta idolon</i> (Rossi) (Cephalidae):					
<i>Oryza sativa</i> (rice) straw packing.....	Greece.....	1			N.Y.
<i>Callidium rufipenne</i> Motsch. (Cerambycidae):					
Baggage.....	Japan.....	1			Hawaii.
<i>Cryptomeria</i> sp. (crate).....	do.....	1			Hawaii.
<i>Cupressus</i> sp. (cypress).....	do.....		1		Fla.
Packing (cellulose paper).....	do.....	1			N.Y.
<i>Paeonia suffruticosa</i> (tree peony).....	do.....			2	N.J.
<i>Pinus</i> sp. (pine).....	do.....		1		Fla.
<i>Callidium violaceum</i> (L.) (Cerambycidae):					
Wood (crate).....	Spain.....	1			Va.
<i>Callipogon armillatum</i> (L.) (Cerambycidae):					
Airplane.....	Unknown.....		1		Fla.
<i>Callosobruchus ademptus</i> (Sharp) (Bruchidae):					
<i>Pueraria lobata</i> (seed).....	Korea.....			1	N.J.
<i>Callosobruchus analis</i> (F.) (Bruchidae):					
<i>Cajanus cajan</i> (pigeonpea).....	India.....		1		Tex.
Stores (flour and sugar).....	do.....		1		La.
<i>Vicia faba</i> (broadbean).....	Burma.....	1			Hawaii.
<i>Callosobruchus rhodesianus</i> (Pic) (Bruchidae):					
<i>Lens culinaris</i> (lentil).....	Unknown.....		1		N.Y.
<i>Phaseolus vulgaris</i> (bean).....	do.....		1		N.Y.
<i>Vigna sinensis</i> (common cowpea).....	Republic of the Congo.....			1	D.C.
<i>Calypsocephala marginipennis</i> Boh. (Chrysomelidae):					
<i>Chamaedorea oblongata</i> (palm) leaf.....	Mexico.....	1			Tex.
<i>Camirus moestus</i> (Stal) (Pentatomidae):					
Cactus.....	do.....			1	Tex.
<i>Carposina niponensis</i> Wlsm. (Carposinidae):					
<i>Malus sylvestris</i> (apple).....	Japan.....		1		N.C.
<i>Caryedon gonagra</i> (F.) (Bruchidae):					
<i>Arachis hypogaea</i> (peanut).....	Nigeria.....		1		Ohio.
<i>Cassia fistula</i> (goldenshower senna) pod.....	Hawaii.....	4		1	Hawaii.
<i>C. nodosa</i> (jointwood senna).....	do.....			1	Hawaii.
<i>C. tora</i> (sickle senna).....	Kenya.....	1			N.J.
<i>Cassia</i> sp. (pod).....	Hawaii.....			1	Hawaii.
<i>Dialium guineense</i> (velvet-tamarind) pod.....	Cape Verde Islands.....	2			N.Y.
Seed—unidentified.....	Hawaii.....	2			Hawaii.
<i>Tamarindus indica</i> (tamarind) pod.....	Cape Verde Islands, Curacao, Japan(?), Mexico, Philippines, Portugal.	5		1	Hawaii, N.Y., Tex., Wash.

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<i>Cassida circumdata</i> Hbst. (Chrysomelidae): Airplane.....	South Pacific.....	-----	1	-----	Hawaii.
<i>Cecilioides acicula</i> (Müller) (Achatinidae): <i>Fragaria</i> sp. (strawberry) plant.....	Switzerland.....	-----	-----	1	Calif.*
Orchid (plant).....	Canal Zone.....	-----	-----	1	Fla.
Soil.....	Czechoslovakia, Mexico.....	1	1	-----	Mich., Tex.
<i>Centrotus cornutus</i> (L.) (Membracidae): <i>Rosa</i> hybrid (rose) leaf.....	France.....	1	-----	-----	N.Y.
<i>Cepaea hortensis</i> (Müller) (?) (Helicidae): <i>Tropaeolum</i> sp. (nasturtium) seed.....	Netherlands.....	-----	-----	1	Pa.
<i>Cephaloleia pretiosa</i> Baly (Chrysomelidae): <i>Dracaena</i> sp. (leaf).....	Panama.....	1	-----	-----	Fla.
<i>Ceramidia viridis</i> (Druce) (Amatidae): <i>Musa paradisiaca</i> var. <i>sapientum</i> (banana).....	Ecuador.....	4	-----	-----	Fla., La., N.Y.
<i>Ceratitis capitata</i> (Wied.) (Tephritidae): Airplane.....	Hawaii.....	-----	1	-----	Hawaii.
<i>Asimina</i> sp. (pawpaw).....	Portugal.....	1	-----	-----	N.Y.
<i>Citrus limon</i> (lemon).....	Lebanon.....	1	-----	-----	N.Y.
<i>C. paradisi</i> (grapefruit).....	Turkey, United Arab Republic.....	1	1	-----	Ga., N.Y.
<i>C. reticulata</i> (Mandarin orange).....	Greece, Italy, Portugal, Spain, unknown.....	19	12	-----	Calif.,* Md., Mass., N.Y., Pa.
<i>C. sinensis</i> (sweet orange).....	Argentina, Brazil, Greece, Italy, Portugal, Spain, unknown.....	12	12	-----	Ala., Calif.,* Fla., La., Md., N.Y., Md., N.Y., P.R., S.C., Tex.
<i>Coffea arabica</i> (Arabian coffee).....	Costa Rica, Hawaii.....	63	-----	-----	Calif.,* Fla., Hawaii.
<i>Coffea</i> sp.....	Brazil, Costa Rica, Hawaii.....	11	-----	-----	Calif.,* Fla., Hawaii, N.Y., P.R. Tex.
<i>Cydonia oblonga</i> (quince).....	Greece, Israel.....	2	-----	1	N.Y.
<i>Eriobotrya japonica</i> (loquat).....	Azores, Iran, Italy.....	3	-----	-----	Mass., N.Y.
<i>Ficus carica</i> (fig).....	Azores, Cyprus, Greece, Italy.....	7	1	-----	N.Y., Pa.
<i>Malus sylvestris</i> (apple).....	Italy, unknown.....	1	1	-----	N.Y., P.R.
<i>Mangifera indica</i> (mango).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Opuntia humifusa</i> (common pricklypear).....	Italy.....	10	-----	-----	N.Y., Pa.
<i>Opuntia</i> sp.....	Greece, Italy.....	10	-----	-----	N.Y.
<i>Prunus armeniaca</i> (apricot).....	Portugal, Republic of South Africa.....	1	1	-----	N.Y.
<i>P. persica</i> (peach).....	Italy, Peru, Portugal, Spain, unknown.....	4	5	-----	Fla., Mass., N.Y., P.R.
<i>Prunus</i> sp. (cherry).....	Lebanon.....	1	-----	-----	N.Y.
<i>Psidium guajava</i> (guava).....	Azores, Hawaii.....	2	-----	-----	Mass., Hawaii.
<i>Punica granatum</i> (pomegranate).....	Greece.....	1	-----	-----	Ohio.
<i>Pyrus communis</i> (pear).....	Israel, Italy.....	3	-----	-----	Calif.,* N.Y.
<i>Solanum aculeatissimum</i> (soda-apple nightshade).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Terminalia catappa</i> (tropical almond).....	do.....	2	-----	-----	Hawaii.
<i>Vitis</i> sp. (grape).....	Spain.....	-----	1	-----	P.R.
<i>Zizyphus</i> sp. (jube).....	Italy.....	1	-----	-----	N.Y.
<i>Ceratitis capitata</i> (Wied.) (?) (Tephritidae): <i>Capsicum annuum</i> (pepper).....	Hawaii.....	2	-----	-----	Hawaii.
<i>Citrus sinensis</i> (sweet orange).....	Italy, Spain.....	-----	2	-----	Mass., P.R.
<i>Coffea arabica</i> (Arabian coffee).....	Hawaii.....	8	-----	-----	Hawaii.
<i>Coffea</i> sp.....	do.....	3	-----	-----	Hawaii.
<i>Ficus</i> sp. (fig).....	Italy.....	1	-----	-----	Mich.
<i>Musa</i> sp.....	Hawaii.....	1	-----	-----	Hawaii.
<i>Punica granatum</i> (pomegranate).....	Greece.....	1	-----	-----	N.Y.
<i>Terminalia catappa</i> (tropical almond).....	Hawaii.....	2	-----	-----	Hawaii.
<i>Ceratitis colae</i> Silv. (?) (Tephritidae): <i>Cola acuminata</i> (Sudan colanut).....	Nigeria.....	1	-----	-----	N.Y.
<i>Cerconota anonella</i> (Sepp) (Stenomidae): <i>Annona muricata</i> (soursop).....	Colombia, Jamaica, Venezuela.....	3	1	-----	Fla., Md.
<i>Annona</i> sp.....	Brazil(?).....	-----	1	-----	N.Y.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Ceresium unicolor</i> (F.) (Cerambycidae):	Hawaii	1			Hawaii.
<i>Gossypium</i> sp. (seed cotton)					
<i>Ceronema japonica</i> Mask. (Coccidae):	Japan			1	D.C.
<i>Camellia japonica</i> (common camellia)					
<i>Ceroastes rubens</i> Mask. (Coccidae):	Hawaii	2			Calif.,*
<i>Alyxia olivaeformis</i> (maile alyxia)	do			1	Hawaii.
<i>Anthurium</i> sp.					
<i>Ceroastes ruscii</i> (L.) (Coccidae):	Italy	1		2	Calif.,* N.Y.
<i>Ficus carica</i> (fig)					
<i>Ceutorhynchus erysimi</i> (F.) (Curculionidae):	Netherlands			1	N.J.
Plant—unidentified					
<i>Charidotis seminulum</i> (Boh.) (Chrysomelidae):	Mexico	1			Tex.
<i>Chamaedorea oblongata</i> (palm) leaf	do	76			Ariz., Calif.
<i>Chilo lofini</i> Dyar (Crambidae):	Formosa, Japan, Spain, unknown.	10	6		Calif.,* Fla., Hawaii, N.Y., Tex.
<i>Saccharum officinarum</i> (sugarcane)					
<i>Chilo suppressalis</i> (Wlk.) (Crambidae):					
<i>Oryza sativa</i> (rice) straw					
" <i>Chionaspis</i> " <i>leucadendri</i> Brain (Coccidae):	Republic of South Africa.	1			Mass.
<i>Protea</i> sp. (leaf)					
<i>Chionaspis wistariae</i> Cooley (Coccidae):	Japan			1	Wash.
<i>Wisteria</i> sp.					
<i>Ghirothrips meridionalis</i> Bgn. (Thripidae):	Israel	1			N.Y.
<i>Zinnia</i> sp. (cut flower)					
<i>Chrysogramma octomaculata</i> Jac. (Chrysomelidae):	Guatemala			1	Fla.
Orchid (plant)					
<i>Chrysomphalus agavis</i> (Townsend & Ckll.) (Coccidae):	Mexico			2	Tex.
<i>Agave</i> sp.					
<i>Chrysomphalus albopictus</i> (Ckll.) (Coccidae):	Costa Rica		1		Calif.*
<i>Cocos nucifera</i> (coconut) stem and cap	Mexico	1			Tex.
<i>Persea americana</i> (avocado) leaf					
<i>Chrysomphalus calurus</i> (Ckll.) (Coccidae):	Nicaragua	1			Calif.*
<i>Spondias mombin</i> (yellow mombin)					
<i>Chrysomphalus inopinatus</i> (Leon) (Coccidae):	Israel			1	D.C.
<i>Acer syriacum</i> (Syrian maple) seed	Greece, Lebanon	2			Mass.
<i>Pistacia</i> sp. (pistache)					
<i>Chrysomphalus odontoglossi</i> (Ckll.) (Coccidae):	Panama		1		Calif.*
<i>Calocarpum sapota</i> (sapote)					
<i>Chrysomphalus opimus</i> Silv. (tentative) (Coccidae):	Kenya			1	N.Y.
Orchid (leaf)					
<i>Chrysomphalus personatus</i> (Comst.) (Coccidae):	Mexico	1			Ariz.
<i>Brosimum</i> sp. (breadnut tree)	do	1			Tex.
<i>Calocarpum sapota</i> (sapote) leaf	do		1		Calif.*
<i>Citrus aurantifolia</i> (lime)	do		11		Calif.,* Fla., N.Y.
<i>C. sinensis</i> (sweet orange)	Brazil, unknown				Calif.,* Tex.
<i>Mangifera indica</i> (mango)	El Salvador, Mexico, Nicaragua.	5			Tex.
<i>Persea americana</i> (avocado)	Mexico	2			N.J.
<i>Vriesia</i> sp.	France			1	
<i>Chrysomphalus sphaeroides</i> (Ckll.) (Coccidae):	Mexico	1			Calif.*
Palm (leaf)					
<i>Chrysomphalus tenax</i> (McKenzie) (Coccidae):	do			1	Tex.
<i>Philodendron</i> sp.					
<i>Chrysomphalus umboniferus</i> (Newst.) (Coccidae):	Colombia			1	Fla.
<i>Anthurium</i> sp. (leaf)	Brazil, Guatemala			2	Fla.
<i>Bromellad</i> (leaf)	El Salvador			1	Fla.
<i>Epidendrum</i> sp. (orchid) leaf	British Honduras, Canal Zone, El Salvador, Guatemala, Panama.			7	Calif.,* Fla.
Orchid (leaf)					
<i>Schomburgkia</i> sp. (orchid) leaf	Mexico			1	Tex.
<i>Cladius pectinicornis</i> (Fourc.) (Tenthredinidae):	England, France, Germany.	5			Ill., N.Y.
<i>Rosa</i> hybrid (rose) cut flower					



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<i>Clanis phalaris</i> (Cramer) (Sphingidae):					
Airplane.....	Japan.....		1		Hawaii.
<i>Clerada apicicornis</i> Sign. (Lygaeidae):					
Bromeliad (plant).....	Peru.....			1	Fla.
<i>Cocconotus degeeri</i> (Stal) (Tettigoniidae):					
Orchid (plant).....	Canal Zone.....			1	Fla.
<i>Coccotrypes carpophagus</i> (Hornig.) (Scolytidae):					
Palm (seed).....	Brazil.....	1			La.
<i>Coccus alpinus</i> DeLotto (Coccidae):					
Coffea sp. (coffee).....	do.....	1			Fla.
<i>Coccus viridis</i> (Green) (Coccidae):					
Citrus sp. (twig).....	Madeira Islands.....			1	Fla.
Coffea arabica (Arabian coffee).....	Hawaii.....	3			Hawaii.
Coffea sp.....	Brazil, Cuba, Hawaii.....	2		1	Calif.,* Hawaii, N.Y.
<i>Gardenia jasminoides</i> .....	Cuba, Hawaii.....	21			Calif.,* Fla., Hawaii.
<i>G. taitensis</i> .....	Hawaii.....	2			Calif.,* Fla.
<i>Gardenia</i> sp.....	Cuba, Hawaii.....	1	1	2	Calif.,* Fla.
<i>Izora</i> sp.....	Hawaii.....	1			Hawaii.
<i>Jasminum</i> sp. (jasmine).....	Barbados.....			1	N.Y.
<i>Litchi chinensis</i> (lychee).....	Hawaii.....	1			Hawaii.
<i>Pelargonium zonale</i> (horseshoe geranium).....	St. Kitts.....			1	Am. V.I.
<i>Psidium guajava</i> (guava) leaf.....	Cuba.....	1			Fla.
<i>Schinus terebinthifolia</i> (Brazil peppertree).....	Hawaii.....	1			Hawaii.
<i>Cochlicella barbara</i> (L.) (Helicellidae):					
Military cargo.....	France, Morocco, Spain, Turkey.....	25			La., N.Y., N.C., S.C. Va.
Soil.....	Italy.....	1			N.Y.
<i>Cochlicella conoidea</i> (Drap.) (Helicellidae):					
Military cargo.....	Spain.....	2			N.Y., Va.
<i>Cochlicella ventrosa</i> (Fer.) (Helicellidae):					
Military cargo.....	Azores, Bermuda, Italy, Morocco, unknown.....	10			La., N.Y., S.C., Va.
<i>Conchaspis orchidarum</i> Mamet (Coccidae):					
<i>Epidendrum</i> sp. (orchid).....	Canal Zone.....			1	Fla.
<i>Conoderus rufangulus</i> (Gyll.) (Elateridae):					
Vitis sp. (grape).....	Chile.....	6			N.Y.
<i>Conotelus mexicanus</i> Murr. (Nitidulidae):					
<i>Chrysanthemum</i> sp.....	Mexico.....	5			Tex.
<i>Lactuca sativa</i> (lettuce).....	do.....	1			Tex.
<i>Medicago sativa</i> (alfalfa).....	do.....	1			Tex.
<i>Nerium oleander</i> (oleander).....	Bermuda.....			1	Va.
<i>Portulaca oleracea</i> (purslane).....	Mexico.....	2			Tex.
<i>Plumeria rubra</i> (Mexican frangipani).....	Hawaii.....	3			Hawaii.
Vanda 'Miss Joaquim' (orchid).....	do.....	3			Hawaii.
<i>Coptotermes crassus</i> Snyder (Rhinothemitidae):					
Pinus sp. (pine) stump.....	Honduras.....	1			La.
<i>Coptotermes niger</i> Snyder (Rhinothemitidae):					
<i>Dalbergia</i> sp. (rosewood) log.....	Brazil.....	1			La.
<i>Virola</i> sp. (log).....	Costa Rica.....	1			La.
<i>Coptotermes testaceus</i> (L.) (Rhinothemitidae):					
<i>Dalbergia</i> sp. (rosewood) log.....	Brazil.....	1			La.
<i>Corimelaena palmeri</i> (McA. & Mall.) (Pentatomidae):					
Orchid (plant).....				1	Tex.
<i>Corythucha mcelfreshi</i> Drake (Tingidae):					
<i>Pelargonium</i> sp. (geranium).....	Mexico.....			1	Tex.
<i>Cosmopolites sordidus</i> (Germ.) (Curculionidae):					
<i>Musa acuminata</i> (rhizome).....	Philippines.....			1	D.C.
<i>Musa</i> sp. (rhizome).....	Netherlands New Guinea, New Guinea.....			2	D.C.
<i>Cryptoblabes gnidiella</i> (Mill.) (Phycitidae):					
Bamboo.....	Italy.....			1	N.Y.
<i>Celostia</i> sp. (cockscorn) cut flower.....	Greece.....	1			N.Y.
<i>Citrus limon</i> (lemon).....	Spain.....		1		Fla.
<i>C. sinensis</i> (sweet orange).....	Italy, Spain.....	1	2		N.Y., P.R.
<i>Nerium oleander</i> (oleander).....	Bermuda.....			1	Va.
<i>Punica granatum</i> (pomegranate).....	Israel, Italy.....	11			N.Y.

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<i>Cryptophlebia illepidia</i> (Btlr.) (Olethreutidae):					
<i>Litchi chinensis</i> (lychee).....	Hawaii.....	2			Hawaii.
<i>Macadamia ternifolia</i> (nut).....	do.....	1			Hawaii.
<i>Cryptophlebia ombrodelta</i> (Lower) (Olethreutidae):					
<i>Litchi chinensis</i> (lychee) nut.....	do.....	1			Hawaii.
<i>Pithecellobium dulce</i> .....	do.....	1			Hawaii.
<i>Samanea saman</i> (raintree saman).....	do.....	1			Hawaii.
<i>Tamarindus indica</i> (tamarind) pod.....	Philippines.....	1			Wash.
<i>Cryptotermes brevis</i> (Wlk.) (Kalotermitidae):					
Flowers.....	Hawaii.....	1			Hawaii.
Mail (food parcel).....	Japan.....	1			Hawaii.
<i>Cryptothela minuscula</i> (Btlr.) (Psychidae):					
Military cargo.....	Vietnam.....	1			Va.
<i>Cylas formicarius</i> (F.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Hong Kong, Thailand.....	3			Hawaii
<i>Cylas formicarius elegantulus</i> (Summers) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Cuba, Dominican Republic, Hong Kong, Netherlands West Indies, Philippines, Puerto Rico.	6	4		Ala., Am. V.I., Calif.,* Fla., Hawaii, La., Pa., P.R.
<i>Cylas formicarius formicarius</i> (F.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Hong Kong.....	2			Hawaii.
<i>Cyrtomenus bergi</i> Froeschner (Pentatomidae):					
Bromeliad.....	Colombia.....			1	Fla.
<i>Dactyloctenya aegyptiaca</i> (Scolytidae):					
<i>Chamaecyparis humilis</i> (Mediterranean palm) seed.....	Canary Islands, Spain.....			2	N.J.
<i>Dacus cucurbitae</i> (Coq.) (Tephritidae):					
<i>Cucumis sativus</i> (cucumber).....	Hawaii.....		1		Calif.*
<i>Cucurbita pepo</i> (zucchini squash).....	do.....		1		Calif.*
<i>Lycopersicon esculentum</i> (tomato).....	do.....		3		Calif.*
<i>Dacus cucurbitae</i> (Coq.) (?) (Tephritidae):					
<i>Cucumis sativus</i> (cucumber).....	do.....		2		Calif.,* Hawaii.
<i>Dacus dorsalis</i> Hend. (Tephritidae):					
<i>Calophyllum inophyllum</i> (Indiapoon beauty-leaf) fruit.....	do.....	1			Hawaii.
<i>Eugenia uniflora</i> (pitanga).....	do.....	1			Hawaii.
<i>Litchi chinensis</i> (lychee).....	do.....	1			Calif.
Mail package.....	do.....	1			Hawaii.
<i>Mangifera indica</i> (mango).....	Guam, Hawaii.....	7	2		Calif.*
<i>Musa paradisica</i> var. <i>sapientum</i> (banana).....	Fiji (?), Hawaii.....	2	1		Calif.*
<i>Ochrosia elliptica</i> .....	Hawaii.....	1			Calif.*
<i>Pithecellobium dulce</i> (guamachil apesearing).....	do.....	1			Hawaii.
<i>Terminalia catappa</i> (tropical almond).....	do.....	4			Calif.,* Hawaii.
<i>Dacus dorsalis</i> Hend. (?) (Tephritidae):					
<i>Areca cathecua</i> (betel palm) nut.....	do.....	1			Hawaii.
<i>Corallorhiza terminalis</i> (ti) berry.....	do.....	1			Hawaii.
<i>Mangifera indica</i> (mango).....	do.....	2			Calif.,* Hawaii.
<i>Psidium guajava</i> (guava).....	do.....	3			Hawaii.
<i>Sesbania grandiflora</i> (agati sesbania).....	do.....	1			Hawaii.
<i>Terminalia catappa</i> (tropical almond).....	do.....	4			Hawaii.
<i>Dacus oleae</i> (Gmel.) (Tephritidae):					
Baggage.....	Italy.....	2			N.Y.
<i>Olea europaea</i> (olive).....	Austria (?), Cyprus, Greece, Italy, Lebanon, unknown.	54	1		Mass., Hawaii, N.J., N.Y.
<i>Dacus oleae</i> (Gmel.) (?) (Tephritidae):					
<i>Olea europaea</i> (olive).....	do.....	1			Mass.
<i>Dallasiellus orchidiphilus</i> Froeschner (Pentatomidae):					
Bromeliad.....	Peru.....			2	Fla.
<i>Dasyneura inclusa</i> (Frfd.) (Cecidomyiidae):					
<i>Phragmites</i> sp. (reed) cane.....	Germany.....	1			Oreg.

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<i>Deloyala guttata</i> (Ol.) (Chrysomelidae):					
<i>Chamaedorea elegans</i> (palm) leaf.....	Mexico.....	1	-----	-----	Tex.
<i>C. oblongata</i> (leaf).....	do.....	1	-----	-----	Tex.
<i>Chamaedorea</i> sp. (leaf).....	do.....	1	-----	-----	Tex.
Orchid.....	do.....	-----	-----	2	Tex.
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae):					
<i>Rhododendron catawbiense</i> (leaf).....	Netherlands.....	-----	-----	1	N. J.
<i>Rhododendron</i> sp. (leaf).....	do.....	-----	-----	6	N. Y.
<i>Dialeurodes citrifolii</i> (Morg.) (Aleyrodidae):					
<i>Citrus</i> sp. (leaf).....	Cuba.....	1	-----	-----	Fla.
<i>Dialeurodes kirkaldyi</i> (Kot.) (Aleyrodidae):					
<i>Gardenia</i> sp.....	Tahiti.....	1	-----	-----	Hawaii.
<i>Jasminum sambac</i> (Arabian jasmine).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Jasminum</i> sp.....	Philippines.....	-----	-----	1	Hawaii.
<i>Plumeria</i> sp.....	Hawaii.....	-----	-----	1	Hawaii.
<i>Dialeurodes tristylis</i> Takah. (Aleyrodidae):					
<i>Ilex integra</i> (leaf).....	Japan.....	-----	2	-----	Calif.*
<i>Diaphane eumela</i> (Stoll) (Noctuidae):					
<i>Ornithogalum</i> sp. (chinkerichee).....	Republic of South Africa.....	1	-----	-----	N. J.
<i>Diaspis juniperi</i> (Behe.) (Coccidae):					
<i>Chamaecyparis lawsoniana</i> 'Gimbornii'.....	Netherlands.....	-----	-----	1	D. C.
<i>Diaspis minima</i> Targ. (Coccidae):					
<i>Juniperus</i> sp.....	Italy.....	-----	-----	1	N. Y.
<i>Diaspis zamiae</i> Morg. (Coccidae):					
Cycad.....	Australia.....	-----	-----	1	Fla.
<i>Encephalartos</i> sp. (cycad).....	Republic of South Africa.....	-----	-----	1	N. J.
Fruit—unidentified.....	do.....	-----	-----	1	N. J.
<i>Strelitzia</i> sp. (leaf).....	France, Italy.....	2	-----	-----	N. Y.
<i>Dichocrocis punctiferalis</i> (Guen.) (Pyraustidae):					
<i>Nephelium lappaceum</i> (rambutan).....	Federation of Malaya.....	1	-----	-----	Hawaii.
<i>Pinus parviflora</i> (Japanese white pine).....	Japan.....	-----	-----	1	Wash.
<i>Dicyphus annulatus</i> (Wolff) (Miridae):					
<i>Lactuca sativa</i> (lettuce).....	Italy.....	1	-----	-----	N. Y.
<i>Dinoderus brevis</i> Horn (Bostrichidae):					
Bamboo.....	India.....	1	-----	-----	Ala.
<i>Borassus flabellifer</i> (palmyra).....	do.....	1	-----	-----	Wis.
<i>Diocalandra taitensis</i> (Guer.) (Curculionidae):					
<i>Cocos nucifera</i> (coconut).....	Hawaii.....	2	-----	-----	Calif.*
<i>Diorymerellus laevimargo</i> Champ. (Curculionidae):					
Orchid.....	Mexico.....	-----	-----	1	Tex.
<i>Diploptera punctata</i> (Esch.) (Diplopteridae):					
Plant material.....	Hawaii.....	-----	-----	1	Hawaii.
<i>Doru albipes</i> (F.) (Forficulidae):					
Orchid.....	Puerto Rico.....	-----	-----	1	P. R.
<i>Drasterius bimaculatus</i> (Rossi) (Elateridae):					
<i>Ficus carica</i> (fig) tree.....	Italy.....	-----	-----	1	P. R.
<i>Dysdercus andreae</i> (L.) (Pyrrhocoridae):					
Orchid.....	Grand Cayman.....	-----	-----	1	Fla.
<i>Dysdercus bidentatus</i> Hussey (Pyrrhocoridae):					
Cargo.....	Ecuador.....	1	-----	-----	Fla.
<i>Dysdercus mimus</i> (Say) (Pyrrhocoridae):					
Bromeliad.....	Costa Rica.....	-----	-----	1	Fla.
Cargo.....	Ecuador.....	1	-----	-----	Calif.*
<i>Cucumis sativus</i> (cucumber).....	Honduras.....	1	-----	-----	Fla.
<i>Dysdercus ruficollis</i> (L.) (Pyrrhocoridae):					
Cargo.....	Ecuador.....	1	-----	-----	Tex.
<i>Dysdercus suterellus</i> (Herrich-Schaeffer) (?) (Pyrrhocoridae):					
<i>Cucumis sativus</i> (cucumber).....	Honduras.....	1	-----	-----	Fla.
<i>Dyspessa ulula</i> (Bkh.) (Cossidae):					
<i>Allium sativum</i> (garlic).....	Italy, Spain, Yugoslavia.....	3	1	-----	La., N. Y., P. R.
<i>Earias cupreoviridis</i> (Wlk.) (Noctuidae):					
<i>Hibiscus esculentus</i> (okra).....	British West Africa.....	-----	1	-----	Tex.
<i>Ecpantheria eridanus</i> (Cram.) (Arctiidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage).....	Panama.....	-----	1	-----	N. Y.
<i>Ecpantheria icasia</i> (Cram.) (Arctiidae):					
<i>Allium cepa</i> (onion).....	Haiti.....	1	-----	-----	Fla.



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Pest and host	Country of origin	Number of inter- ceptions in—			Collected in—
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<i>Ectomyelois ceratoniae</i> (Zell.) (Phycitidae):					
<i>Barringtonia</i> sp. (pod).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Cassia fistula</i> (goldenshower senna).....	do.....	1	-----	-----	Hawaii.
<i>Citrus sinensis</i> (sweet orange).....	Africa (country(?)), Italy, Portugal.....	-----	3	-----	Calif.,* N.J., P.R.
<i>Coffea arabica</i> (Arabian coffee).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Cydonia oblonga</i> (quince).....	Greece, Italy.....	2	-----	-----	N.Y.
<i>Juglans regia</i> (English walnut).....	Italy.....	4	-----	-----	N.Y.
<i>Prunus amygdalus</i> (almond).....	Greece, Italy.....	4	-----	-----	N.Y.
<i>Punica granatum</i> (pomegranate).....	Greece, Israel, Italy, Turkey.....	11	1	-----	N.Y., S.C.
Seed—assorted.....	Hawaii.....	1	-----	-----	Hawaii.
<i>Tamarindus indica</i> (tamarind) pod.....	Jamaica, Montserrat, Philippines, Puerto Rico.....	3	-----	1	Fla., Wash.
<i>Ectomyelois muriscis</i> (Dyar) (Phycitidae):					
<i>Cassia</i> sp. (senna) seed pod.....	Mexico.....	-----	-----	1	Tex.
<i>Enterolobium</i> sp. (earpodtree) seed pod.....	do.....	1	-----	-----	Tex.
<i>Elimaecia punctifera</i> (Walk.) (Tettigoniidae):					
Baggage.....	Hawaii.....	1	-----	-----	Hawaii.
<i>Endelomyia aethiops</i> (F.) (Tenthredinidae):					
<i>Rosa</i> hybrid (rose) cut flower.....	Italy, Poland.....	2	-----	-----	Ill., N.Y.
<i>Engonus subcylindricus</i> Fahr. (Anthribidae):					
Airplane.....	Venezuela.....	-----	1	-----	Fla.
<i>Eobia bicolor</i> (Fairm.) (Oedemeridae):					
Airplane.....	Christmas Island, Pal- myra Island(?), Philippines, South- west Pacific.....	-----	4	-----	Hawaii.
Baggage.....	Hawaii.....	1	-----	-----	Hawaii.
Flowers.....	do.....	1	-----	-----	Hawaii.
Mail package.....	do.....	1	-----	-----	Hawaii.
Orchid (flower).....	do.....	1	-----	-----	Hawaii.
<i>Plumeria</i> sp.....	do.....	1	-----	1	Hawaii.
<i>Ephestia calidella</i> Guen. (Phycitidae):					
<i>Ficus carica</i> (fig).....	Greece.....	1	-----	-----	Va.
<i>Ribes</i> sp. (currant).....	Bulgaria.....	1	-----	-----	N.Y.
<i>Epichorista ionephela</i> (Meyr.) (Tortricidae):					
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee).....	Republic of South Africa.....	2	-----	-----	N.Y.
<i>Epidiaspis piricola</i> (del. Guer.) (Coccidae):					
<i>Malus sylvestris</i> (apple).....	France.....	-----	1	-----	Fla.
<i>Epilachna borealis</i> (F.) var. (Coccinellidae):					
<i>Musa paradisiaca</i> var. <i>sapientum</i> (banana).....	Ecuador.....	2	-----	-----	Ala., N.Y.
<i>Epilachna 28-punctata</i> (F.) (Coccinellidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage).....	Australia.....	-----	1	-----	S.C.
<i>Epinotia aporema</i> (Wlsm.) (Olethreutidae):					
<i>Cajanus cajan</i> (pigeonpea).....	Jamaica.....	1	-----	-----	N.Y.
<i>Vicia faba</i> (broadbean).....	Ecuador.....	1	-----	-----	Fla.
<i>Eremocoris plebejus</i> (Fall.) (Lygaeidae):					
Soil with <i>Vaccinium</i> sp. (blueberry) plant.....	Norway.....	-----	-----	1	N.Y.
<i>Eriococcus araucariae</i> Mask. (Coccidae):					
<i>Araucaria excelsa</i> (Norfolk-Island-pine).....	Azores.....	-----	1	-----	N.J.
<i>Araucaria</i> sp.....	Bermuda.....	1	-----	-----	Mass.
<i>Eriophyes canestrinii</i> (Nal.) (Eriophyidae):					
<i>Buzus</i> sp. (boxwood).....	Unknown.....	-----	1	-----	Wash.
<i>Eriophyes leionotus</i> (Nal.) (Eriophyidae):					
<i>Betula</i> sp. (birch).....	Finland.....	1	-----	-----	N.Y.
<i>Euborellia plebeja</i> (Dohrn) (Labiduridae):					
<i>Fragaria</i> sp. (strawberry).....	Japan.....	1	-----	-----	Hawaii.
<i>Pinus</i> sp. (pine) dwarf tree.....	do.....	-----	-----	1	Wash.
<i>Euborellia stali</i> (Dohrn) (Labiduridae):					
<i>Amaryllis</i> sp.....	Dominica.....	-----	-----	1	Fla.
<i>Eucalymnatus tessellatus</i> (Sign.) (Coccidae):					
<i>Heliconia</i> sp.....	Unknown.....	1	-----	-----	N.Y.
<i>Euconocephalus platynotum</i> (M.&S.) (Tetti- goniidae):					
Airplane.....	Japan.....	-----	1	-----	Hawaii.
<i>Euclandina striata</i> (Müller) (Oleacinidae):					
<i>Musa paradisiaca</i> var. <i>sapientum</i> (banana).....	Ecuador.....	17	-----	-----	Ala., Calif.,* Fla., La., N.Y.

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<i>Euleia heraclei</i> (L.) (Tephritidae):					
<i>Apium graveolens</i> (celery).....	Germany.....		1		N.Y.
<i>Eurydema ornatum</i> (L.) (Pentatomidae):					
<i>Punica granatum</i> (pomegranate).....	Israel.....	1			N.Y.
<i>Eurytoma infracta</i> Mayr (Eurytomidae):					
<i>Salvia officinalis</i> var. <i>purpurascens</i> (purple sage).....	Italy.....	1			N.Y.
<i>Eurytoma orchidearum</i> (Westw.) (Eurytomidae):					
<i>Cattleya skinneri</i> (orchid).....	Costa Rica.....			1	Calif.*
Orchid.....	Colombia, El Salvador.....			4	Fla.
<i>Euscelis plebejus</i> (Fall.) (Cicadellidae):					
<i>Gladiolus</i> hybrid.....	Italy.....		1		N.Y.
<i>Euscepes porcellus</i> Boh. (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	British Honduras.....	1			Fla.
<i>Euscepes postfasciatus</i> (Fairm.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Brazil, Trinidad.....		6		Ala., Calif.,* Pa.
<i>Eutetranychus banksi</i> (McG.) (Tetranychidae):					
<i>Artocarpus altitis</i> (breadfruit) leaf.....	Jamaica.....	2			Fla.
<i>Everes comyntas</i> (Godt.) (Lycaenidae):					
<i>Phaseolus vulgaris</i> var. (string bean).....	Mexico.....	3			Tex.
<i>Evergestis forficatis</i> (L.) (Pyraustidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower).....	Norway.....		1		N.Y.
<i>Exitianus obscurinervis</i> (Stal) (Cicadellidae):					
Airplane.....	Unknown.....		1		N.Y.
Flowers.....	Mexico.....	1			Tex.
<i>Exptochiamera oblonga</i> (Stal) (Lygaeidae):					
<i>Tillandsia</i> sp.....	do.....			1	Ariz.
<i>Farinococcus guatemalensis</i> Ferris (Coccidae):					
Orchid.....	Guatemala.....			2	Ariz., N.J.
<i>Fiorinia proboscidea</i> Green (Coccidae):					
<i>Citrus limon</i> (lemon).....	Japan.....		1		Hawaii.
<i>Fiorinia theae</i> Green (Coccidae):					
<i>Camellia</i> sp.....	Mexico.....	2			Calif.*
<i>Cocos nucifera</i> (coconut).....	Philippines.....		1		Calif.*
<i>Forficula decipiens</i> GénÉ (Forficulidae):					
<i>Pisum sativum</i> (pea).....	Italy.....	1			N.Y.
<i>Forficula pubescens</i> GénÉ (Forficulidae):					
<i>Phaseolus vulgaris</i> (bean).....	do.....	1			N.Y.
Soil with <i>Iris</i> sp. plants.....	do.....			1	N.Y.
<i>Forficula senegalensis</i> Serv. (Forficulidae):					
<i>Cupressus</i> sp. (cypress) cone.....	France.....	1			N.Y.
Flowers.....	Republic of South Africa.....	1			N.Y.
<i>Frankliniella formosae</i> Mlt. (Thripidae):					
<i>Chrysanthemum morifolium</i> .....	Japan.....	2			Hawaii.
<i>Chrysanthemum</i> sp.....	Korea.....	1			Wash.
<i>Dianthus caryophyllus</i> (carnation).....	Japan.....	1			Hawaii.
<i>Frankliniella intonsa</i> (Tryb.) (Thripidae):					
<i>Dianthus caryophyllus</i> (carnation).....	Hungary, Sweden.....	2			N.Y.
Flowers.....	Denmark, England, Germany, Poland.....	5			N.Y.
<i>Gladiolus</i> hybrid.....	Hungary.....	1			N.Y.
<i>Helichrysum bracteatum</i> (strawflower).....	Germany.....	1			N.Y.
<i>Lathyrus odoratus</i> (sweetpea).....	England.....	1			Mass.
<i>Rosa</i> hybrid.....	Denmark, England, France, Germany, Poland.....	7			Ill., N.Y.
<i>Frankliniella liliifera</i> Kurosawa (Thripidae):					
<i>Lilium</i> sp. (lily) bulb.....	Japan.....			1	N.Y.
<i>Frankliniella paucispinosa</i> Mlt. (Thripidae):					
<i>Lippia</i> sp.....	Argentina.....			1	Fla.
<i>Frankliniella schultzei</i> (Tryb.) (Thripidae):					
<i>Nerine lucida</i> (seed).....	Republic of South Africa.....			2	D.C.
<i>Frankliniella sulphurea</i> Schmutz (?) (Thripidae):					
<i>Capsicum annuum</i> (pepper).....	Hawaii.....	1			Hawaii.
<i>Furcas pis haematochroa</i> Ckll. (Coccidae):					
<i>Kentia</i> sp. (palm) leaf.....	Philippines.....		1		Calif.*
<i>Furcas pis oceanica</i> Ldgr. (Coccidae):					
<i>Cocos nucifera</i> (coconut).....	Guam (?), Kwajalein.....	4			Hawaii.

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<i>Gelechia ericetella</i> (Hbn.) (Gelechiidae):					
<i>Calluna vulgaris</i> (heather)	Scotland, unknown	1	1		N.Y.
<i>Geniocremnis chilensis</i> (Boh.) (Curculionidae):					
<i>Prunus domestica</i> (plum)	Chile	1			N.Y.
<i>Geotomus pygmaeus</i> (Dallas) (Cydniidae):					
Baggage	Hawaii	2			Hawaii.
<i>Gnorimoschema gudmannella</i> (Wism.) (Gelechiidae):					
<i>Capsicum annuum</i> (pepper)	Cuba, Guatemala, Mexico.	10			Ariz., Calif., Calif.* Fla., La., Tex.
<i>Gnorimoschema ocellatella</i> (Boyd) (Gelechiidae):					
<i>Beta vulgaris</i> (beet)	Italy, United Arab Republic.	1	2		N.Y., Pa.
<i>Gortyna flavago</i> (Schiff.) (Noctuidae):					
<i>Cynara scolymus</i> (artichoke)	Italy		1		Md.
<i>Grapholitha janthiana</i> (Dup.) (?) (Olethreutidae):					
<i>Malus sylvestris</i> (apple)	Austria, Rumania, unknown, Yugoslavia	4	1		Ill., Mich., N.Y.
<i>Grapholitha packardii</i> Zell. (Olethreutidae):					
<i>Crataegus</i> sp. (red haw)	Mexico	1			Tex.
<i>Graptostethus manillensis</i> (Serv.) (Lygaeidae):					
<i>Ipomoea</i> sp.	Hawaii	1			Hawaii.
<i>Gymnococcus agarium</i> (Dougl.) (Coccidae):					
<i>Agave shawii</i>	Mexico			1	Calif.
<i>Agave</i> sp.	Spain			1	N.Y.
<i>Gynaikothrips ficorum</i> (Marchal) (Phlaeothripidae):					
Airplane	Cuba		1		Fla.
<i>Laurus nobilis</i> (Grecian laurel)	Mexico			1	Calif.
<i>Haplothrips aculeatus</i> (F.) (Phlaeothripidae):					
Plant—unidentified	Netherlands			2	N.J.
<i>Haplothrips clarisetis</i> Pr. (?) (Phlaeothripidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Calif.
<i>Haplothrips cottei</i> (Vuillet) (Phlaeothripidae):					
Flowers	Greece	1			N.Y.
<i>Haplothrips gowdeyi</i> (Frankl.) (Phlaeothripidae):					
<i>Crinum</i> sp.	Hawaii	1			Hawaii.
Flowers	Bermuda	1			N.Y.
<i>Helichrysum bracteatum</i> (strawflower)	Israel	1			N.Y.
<i>Plumeria rubra</i> (Mexican frangipani)	Hawaii	1			Hawaii.
<i>Zinnia</i> sp.	Israel	1			N.Y.
<i>Hedylepta indicata</i> (F.) (Pyraustidae):					
<i>Phaseolus vulgaris</i> var. (string bean)	Cuba	1			Fla.
<i>Helicella caperata</i> (Montagu) (Helicellidae):					
Military cargo	Italy	1			La.
<i>Helicella conspurcata</i> (Draparnaud) (Helicellidae):					
Military cargo	Azores, France, Italy, Libya, Morocco, Spain.	9			La., N.Y., N.C., S.C.
<i>Helicella derbentina</i> (Andrz.) (Helicellidae):					
Military cargo	Turkey	1			N.Y.
<i>Helicella ericetorum</i> (Müller) (Helicellidae):					
<i>Tropaeolum</i> sp. (nasturtium) seed	Netherlands			1	Pa.
<i>Helicella itala</i> (L.) (Helicellidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage) seed	Italy			1	N.Y.
Military cargo	Italy, unknown	4			La., N.Y.
<i>Helicella maritima</i> (Draparnaud) (Helicellidae):					
<i>Lactuca sativa</i> var. <i>longifolia</i> (romaine lettuce)	France		1		N.Y.
Military cargo	France, Italy	3			La., N.Y.
Stores (with sweet orange)	Spain		1		N.C.
<i>Helicella neglecta</i> (Draparnaud) (Helicellidae):					
Military cargo	do	1			La.
<i>Helicella pyramidata</i> (Draparnaud) (Helicellidae):					
Military cargo	Greece	2			La.
<i>Helicella striata</i> (Müller) (Helicellidae):					
Military cargo	France, Greece, Italy, Turkey, unknown.	7			La., N.Y., Va.
Soil	Italy	1			N.Y.



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<i>Helicella variabilis</i> (Draparnaud) (Helicellidae):					
<i>Anthemis</i> sp. (camomile).....	Spain.....	1			P. R.
<i>Lactuca sativa</i> var. <i>longifolia</i> (romaine lettuce).....	France.....		2		N. Y.
Military cargo.....	Unknown.....	4			N. Y.
Soil with automobile.....	France.....	1			Fla.
<i>Helicina strebeli</i> Pfeiffer (Helicinidae):					
<i>Chamaedorea</i> sp. (palm).....	Mexico.....	2			La.
<i>Helix aperta</i> Born (Helicidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower).....	Germany, Netherlands.....		2		Ga., S. C.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage).....	Italy.....		1		N. Y.
<i>Lactuca sativa</i> var. <i>longifolia</i> (romaine lettuce).....	Greece.....		1		N. Y.
<i>Helix aspersa</i> Müller (Helicidae):					
Baggage (as food).....	Italy.....	1			N. Y.
<i>Lactuca sativa</i> (lettuce).....	France.....		2		N. Y.
Military cargo.....	Spain.....	1			La.
Orchid.....	Fer.....			1	Fla.
Stores (on egg crate).....	Belgium.....		1		Mich.
<i>Helix pomatia</i> L. (Helicidae):					
Baggage (as food).....	Italy.....	1			N. Y.
Stores (food for crew).....	Unknown.....		1		La.
<i>Hellula undalis</i> (F.) (Pyraustidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage).....	United Arab Republic.....		1		Pa.
<i>Hemiarctus hanna</i> (Stoll) (Lycanidae):					
Airplane.....	Venezuela (?).....		1		Fla.
<i>Hemimene juliana</i> (Curt.) (Olethreutidae):					
<i>Castanea</i> sp. (chestnut).....	Italy, Portugal.....	2			Mass., N. Y.
<i>Heterobrychus aequalis</i> (Waterh.) (Bostrichidae):					
<i>Bambusa</i> sp. (bamboo) slat.....	India.....	1			Md.
Wood (crate).....	Cuba, Philippines, Thailand.....	3			Fla., Ill.
<i>Heterotermes cardini</i> (Snyder) (Rhinotermitidae):					
<i>Crescentia linearifolia</i> (calabash tree).....	Haiti.....	1			Fla.
<i>Heterotermes convexinotatus</i> (Snyder) (Rhinotermitidae):					
Cardboard (box).....	do.....	1			Fla.
<i>Dalbergia</i> sp. (rosewood) log.....	Brazil.....	1			La.
<i>Mangifera indica</i> (mango).....	Martinique.....	1			P. R.
<i>Pinus</i> sp. (pine) stump.....	Honduras.....	1			La.
<i>Homoeogryllus japonicus</i> (Haan) (Gryllidae):					
Baggage (as caged pets).....	Japan.....	1			Hawaii.
<i>Homotoma ficus</i> (L.) (Psyllidae):					
<i>Ficus carica</i> (fig) stem.....	Yugoslavia.....			1	Calif.*
<i>Insara tolteca</i> Sauss. (Tettigoniidae):					
Orchid.....	Mexico.....			1	Fla.
<i>Iphiclydes protesilaus</i> (L.) (Papilionidae):					
Automobile.....	do.....		1		Tex.
<i>Ips typographus</i> (L.) (Scolytidae):					
<i>Pinus</i> sp. (?) (crate).....	Norway.....	1			N. Y.
<i>Iridomyrmex iniquus</i> Mayr (Formicidae):					
Bromeliad.....	Mexico.....			1	Ariz.
Orchid.....	Guatemala.....			2	Fla., La.
<i>Iridomyrmex leucomelas</i> Em. (Formicidae):					
Bromeliad.....	Brazil.....			1	Fla.
<i>Isorhinus undatus</i> Champ. (Curculionidae):					
<i>Bromelia</i> sp.....	Mexico.....			1	Tex.
<i>Jadera haematoloma</i> (H.-S.) (Coreidae):					
Baggage.....	Colombia.....	1			Tex.
<i>Kaloterms immigrans</i> Snyder (Kalotermitidae):					
Mail package.....	Hawaii.....	3			Hawaii.
<i>Labia arcuata</i> Scudd. (Labiidae):					
<i>Chamaedorea oblongata</i> (palm) leaf.....	Mexico.....	1			Tex.
<i>Lamellaxis gracilis</i> (Hutton) (Achatinidae):					
<i>Persea americana</i> (avocado) seed.....	St. Lucia.....			1	P. R.
Soil.....	Mexico.....	1			Tex.
Soil with miscellaneous plants.....	Jamaica.....			1	Fla.
<i>Tsuga diversifolia</i> (Japanese hemlock) seed.....	Japan.....			1	N. J.
<i>Lampides boeticus</i> (L.) (Lycanidae):					
<i>Canavalia microcarpa</i> (mauna loa) lei.....	Hawaii.....	5			Hawaii.
<i>Canavalia</i> sp.....	do.....	9			Calif.,* Hawaii.
<i>Vicia faba</i> (broadbean).....	United Arab Republic.....		1		Pa.

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<i>Laspeyresia nigricana</i> (Steph.) (Olethreutidae): <i>Pisum sativum</i> (pea).....	Italy.....	1	-----	-----	N.Y.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae): <i>Castanea</i> sp. (chestnut).....	Germany, Italy, Portugal, Spain, Turkey, Yugoslavia.....	28	-----	1	Mass., Mich., N.Y.
<i>Laspeyresia strobilella</i> (L.) (Olethreutidae): <i>Picea</i> sp. (spruce) cone.....	Germany, unknown.....	3	-----	-----	N.Y.
<i>Pinus</i> sp. (pine) cone.....	England.....	1	-----	-----	N.Y.
<i>Lecanium corni</i> Bouché (Coccidae): <i>Jasminum</i> sp. (jasmine) flower petal.....	France.....	1	-----	-----	N.Y.
<i>Prunus</i> sp. (bark).....	Japan.....	-----	-----	1	Wash.
<i>Rosa</i> hybrid (rose) budwood.....	France.....	-----	-----	1	N.Y.
<i>Lecanium coryli</i> (L.) (Coccidae): <i>Acer platanoides</i> (Norway maple).....	Belgium.....	-----	-----	1	N.J.
<i>Lecanium persicae</i> (F.) (Coccidae): <i>Prunus domestica</i> (plum) stem.....	Chile.....	1	-----	-----	N.Y.
<i>Lepidosaphes conchiformis</i> (Gmel.) (Coccidae): <i>Diospyros kaki</i> (kaki persimmon).....	Japan.....	1	4	-----	Calif.,* Hawaii.
<i>Lepidosaphes ficus</i> (Sign.) (Coccidae): <i>Ficus carica</i> (fig) cutting.....	Italy.....	-----	-----	2	Calif.,* N.Y.
<i>Lepidosaphes kuwicola</i> (Kuw.) (Coccidae): <i>Diospyros</i> sp. (persimmon).....	Japan.....	1	-----	-----	Wash.
<i>Lepidosaphes newsteadi</i> (Sulc.) (Coccidae): <i>Juniperus chinensis</i> (pyramid Chinese juniper) dwarf.....	do.....	-----	-----	1	Calif.*
<i>Lepidosaphes philococcus</i> (Ckll.) (Coccidae): <i>Cactus</i> .....	Mexico.....	-----	-----	1	Fla.
<i>Nolina</i> sp.....	do.....	-----	-----	1	Tex.
<i>Lepidosaphes pini</i> (Mask.) (Coccidae): <i>Pinus</i> sp. (pine).....	Japan.....	-----	1	-----	Calif.*
<i>Lepidosaphes punicae</i> Laing (Coccidae): <i>Erythrina</i> sp. (coralbean).....	Thailand.....	-----	-----	1	D.C.
<i>Lepidosaphes tokionis</i> (Kuw.) (Coccidae): <i>Codiaeum variegatum</i> (croton).....	Hawaii.....	6	-----	3	Calif.,* Hawaii.
<i>Codiaeum</i> sp.....	Hawaii, Panama.....	4	-----	2	Fla., Hawaii.
<i>Lepidosaphes tuberculata</i> Mal. (Coccidae): Orchid.....	Australia.....	-----	-----	1	N.Y.
<i>Lepidosaphes tubulorum</i> Ferris (Coccidae): <i>Rhododendron yakusimanum</i> .....	Japan.....	-----	-----	1	Hawaii.
<i>Lepidosaphes yanagicola</i> (Kuw.) (Coccidae): <i>Diospyros kaki</i> (kaki persimmon).....	do.....	1	-----	-----	Hawaii.
<i>Leptidea brevipennis</i> Muls. (Cerambycidae): <i>Salix</i> sp. (willow).....	France(?).....	-----	1	-----	Mich.
<i>Leptocorixa varicornis</i> (F.) (Coreidae): Airplane.....	Philippines.....	-----	1	-----	Hawaii.
<i>Leptodictya sinaloana</i> Drake (Tingidae): <i>Tillandsia usneoides</i> (Spanish moss).....	Mexico.....	1	-----	-----	Calif.*
<i>Leptoglossus chilensis</i> (Spin.) (Coreidae): <i>Vitis</i> sp. (grape).....	Chile.....	3	-----	-----	N.Y.
<i>Leptopharsa usingeri</i> Drake (Tingidae): <i>Yucca</i> sp. (seed).....	Mexico.....	-----	-----	1	Tex.
<i>Leucaspis lowi</i> Colvee (Coccidae): <i>Pinus</i> sp. (pine) needles.....	Austria.....	1	-----	-----	Ill.
<i>Leucaspis pusilla</i> Loew (Coccidae): <i>Pinus</i> sp. (pine) needles.....	Greece.....	1	-----	-----	N.Y.
<i>Leucoptera coffeella</i> G.-M. (Lyonetiidae): <i>Coffea</i> sp. (coffee) leaf.....	Cuba, Guatemala, Haiti.....	2	-----	1	Fla.
<i>Ligyrocoris zurivilliana</i> (Dist.) (Lygaeidae): <i>Cucumis melo</i> var. <i>cantalupensis</i> (cantaloupe).....	Mexico.....	1	-----	-----	Tex.
<i>Ligyrocoris nitidulus</i> (Uhler) (Lygaeidae): <i>Agave victoriae-reginae</i> .....	do.....	-----	-----	2	Tex.
<i>Limax marginatus</i> Müller (Limacidae): <i>Brassica oleracea</i> var. <i>botrytis</i> (broccoli).....	Azores, Italy.....	-----	2	-----	N.Y.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage).....	Italy.....	-----	1	-----	N.Y.
<i>Lactuca sativa</i> (lettuce).....	Spain.....	-----	1	-----	N.Y.
<i>Limax maximus</i> L. (Limacidae): <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage).....	Italy.....	-----	1	-----	N.Y.

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<i>Limothrips angulicornis</i> (Jablowski) (Thripidae):					
<i>Prunus persica</i> var. <i>nectarina</i> (nectarine).....	Chile.....	1			N.Y.
<i>Limothrips denticornis</i> (Hal.) (Thripidae):					
<i>Calluna vulgaris</i> (heather).....	Scotland.....			1	N.Y.
Plant—unidentified.....	Netherlands.....			1	N.J.
<i>Lincus rufospilotus</i> (Westw.) (Pentatomidae):					
Orchid.....	Colombia, Peru.....			3	Fla.
<i>Lissonotus palustris</i> Blatchley (Curculionidae):					
Airplane.....	Unknown.....		1		Fla.
<i>Lobesia botrana</i> (Schiff.) (Olethreutidae):					
<i>Vitis</i> sp. (grape).....	Italy, Lebanon.....	2			N.Y.
<i>Lobesia botrana</i> (Schiff.) (?) (Olethreutidae):					
Quarters (with <i>Phoenix dactylifera</i> ).....	Unknown.....		1		Mass.
<i>Lorryia formosa</i> Cooreman (Tydeidae):					
<i>Citrus limon</i> (lemon).....	Argentina.....		1		Fla.
<i>Lorryia mali</i> Oud. (Tydeidae):					
<i>Citrus limon</i> (lemon).....	Spain.....		1		Fla.
<i>Lorostege bifidialis</i> (F.) (Pyraustidae):					
<i>Portulaca</i> sp.....	Mexico.....	1			Tex.
<i>Lyctus africanus</i> Lesne (Lyctidae):					
Wood—unidentified.....	England, India.....	5			Fla., Mass., N.Y., Wis.
<i>Lyctus brunneus</i> (Steph.) (Lyctidae):					
Wood—unidentified.....	American Samoa, Brazil.....	2			Calif.,* Ohio.
<i>Lyctus linearis</i> (Goeze) (Lyctidae):					
Bagging.....	India.....	1			N.Y.
Gum.....	do.....	1			N.Y.
<i>Lygus lineolaris</i> (P. de B.) (Miridae):					
<i>Chrysanthemum</i> sp.....	Mexico.....	1			Tex.
<i>Lygus lucorum</i> (Meyer-Dur.) (Miridae):					
Plant—unidentified.....	Netherlands.....			1	N.J.
<i>Macroplax fasciata</i> (Herrich-Schaeffer) (Lygaeidae):					
<i>Stipa tenacissima</i> (esparto needlegrass).....	Italy.....	1			Md.
<i>Macrosiphum formosanum</i> Takah. (Aphidae):					
<i>Lactuca sativa</i> (lettuce).....	Japan.....		1		Hawaii.
<i>Mamestra brassicae</i> (L.) (Noctuidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower).....	Tanganyika.....		1		N.Y.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage).....	England, France, Germany, Italy, Netherlands.....		7		Ga., N.Y., P.R., Wis.
<i>Brassica</i> sp.....	Japan.....		1		Wash.
<i>Petroselinum crispum</i> (parsley).....	Italy.....		1		Pa.
<i>Maruca testulalis</i> (Geyer) (Pyraustidae):					
<i>Cajanus cajan</i> (pigeonpea).....	Puerto Rico.....	5			Ill., P.R.
<i>Canavalia microcarpa</i> (mauna loa).....	Hawaii.....	5			Hawaii.
<i>Canavalia</i> sp.....	do.....	5			Calif.,* Hawaii.
Cargo (with celery and chayote).....	Puerto Rico.....	2			P.R.
<i>Phaseolus vulgaris</i> var. (string bean).....	Brazil, Japan, Puerto Rico.....	11	3		Calif.,* Ill., Pa., P.R.
<i>Sesbania grandiflora</i> (agati sesbania).....	Hawaii.....	2			Hawaii.
<i>Sesbania</i> sp.....	do.....	1			Hawaii.
<i>Strongylocodon macrobotrys</i> (?).....	do.....	1			Calif.*
<i>Matsucoccus matsumurae</i> (Kuw.) (Coccidae):					
<i>Pinus</i> sp. (pine).....	Japan.....		1	1	Calif.,* Wash.
<i>Matsuuraea phaseoli</i> (Mats.) (Olethreutidae):					
<i>Phaseolus vulgaris</i> var. (string bean).....	do.....		4		Calif.,* Wash.
<i>Mecolaemus carvalhoi</i> (Costa Lima) (Miridae):					
Orchid.....	Peru.....			2	Fla.
<i>Megacerus alternatus</i> Bridw. (Bruchidae):					
Seed—assorted.....	Hawaii.....	1			Hawaii.
<i>Megastes grandalis</i> Guen. (Pyraustidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Brazil.....		1		Md.
<i>Megastigmus cryptomeriae</i> Yano (Torymidae):					
<i>Cryptomeria japonica</i> (seed).....	Japan.....			1	N.J.
<i>Megastigmus suspectus pinsapinis</i> Hfsm. (Torymidae):					
<i>Cedrus deodara</i> (deodar cedar) seed.....	France (?).....			1	N.J.



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<i>Melolontha melolontha</i> (L.) (Scarabaeidae): Airplane	France		28		N.Y.
<i>Mesochelidura peringueyi</i> Burr (Forficulidae): <i>Protea</i> sp. (cut flower)	Republic of South Africa.	1			N.Y.
<i>Metamasius hemipterus sericeus</i> (Ol.) (Curculionidae): <i>Musa paradisica</i> var. <i>sapientum</i> (banana)	Costa Rica, Ecuador, Panama.	20			Ala., Fla., La., N.Y., S.C., Tex
<i>Metopoplax ditomoides</i> (Costa) (Lygaeidae): Airplane	Morecco		1		Fla.
<i>Micrapate labialis</i> Lesne (Bostrichidae): Wood (crate)	Mexico	2			Calif., N.Y.
<i>Micrapate scabrata</i> (Erich.) (Bostrichidae): <i>Prunus domestica</i> (plum)	Chile	1			N.Y.
<i>Microcerotermes exiguus</i> (Hagen) (Termitidae): Orchid	British Guiana			1	Fla.
<i>Mimosastes sallaei</i> (Sharp) (Bruchidae): <i>Acacia farnesiana</i> (sweet acacia) seed	Jamaica			1	D.C.
Airplane	Venezuela		1		P.R.
Legume (seed)	Hawaii			1	Hawaii.
Seed—unidentified	Mexico			1	Tex.
<i>Minthea rugicollis</i> (Wlk.) (Lyctidae): Bamboo	India	1			N.Y.
Wood (crate)	Brazil, England, Thailand, Venezuela (?)	4			Fla., Ill., Ohio.
<i>Molorchus minor</i> (L.) (Cerambycidae): Wood (crate)	Sweden	1			Wis.
<i>Monacha cantiana</i> (Montagu) (Helicellidae): <i>Lactuca sativa</i> (lettuce)	Italy		1		N.Y.
Military cargo	France	2			La.
Plant—unidentified	Germany			1	N.J.
<i>Monacha carthusiana</i> (Müller) (Helicellidae): <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage) seed	Italy			1	N.Y.
Military cargo	do.	1			La.
<i>Monomorium destructor</i> (Jerd.) (Formicidae): <i>Dendrobium</i> sp. (orchid)	India			1	Fla.
Fruit—miscellaneous	Philippines	1			Wash.
<i>Gladiolus</i> hybrid	Indonesia	1			Hawaii.
Grass (plant)	India			1	D.C.
Herbs (dried)	Trinidad	1			N.Y.
Mail package	Hawaii	1			Hawaii.
<i>Pyrus</i> sp. (pear) dried	India			1	D.C.
Quarters	Unknown		1		Ill.
<i>Moodna bisinuella</i> Hamp. (Phycitidae): <i>Zea mays</i> (corn)	Mexico		1		Calif.
<i>Morganella longispina</i> (Morg.) (Coccidae): <i>Citrus aurantifolia</i> (lime)	Hawaii	1			Calif.*
<i>C. grandis</i> (pummelo)	Tahiti	2	1		Calif.*
<i>C. paradisi</i> (grapefruit)	do.		1		Hawaii.
<i>C. reticulata</i> (Mandarin orange)	Japan		2		Calif.*
<i>C. sinensis</i> (sweet orange)	do.		1		Calif.*
Plant—unidentified	Bermuda	1			Mass.
<i>Mormidea inermis</i> Dallas (Pentatomidae): Orchid	Mexico			1	Tex.
<i>Myelobia smerinthus</i> (Hbn.) (Galleriidae): Bamboo	do.	2			Fla., Tex.
<i>Myodocha longicollis</i> Stal (Lygaeidae): Orchid	do.			1	Fla.
<i>Myzaphis bucktoni</i> Jacob (?) (Aphidae): <i>Rosa</i> hybrid (rose) petal	France	1			N.Y.
<i>Myzus ascalonicus</i> Donc. (Aphidae): <i>Allium cepa</i> (onion)	Netherlands			1	N.J.
Aster sp. (plant)	Germany			1	N.J.
Stores (on lettuce)	Unknown		4		N.Y.
<i>Nasutitermes corniger</i> (Motsch.) (Termitidae): <i>Cyathea</i> sp. (treefern)	Mexico			1	Tex.
<i>Dalbergia</i> sp. (rosewood) log	Brazil	1			La.
Orchid	Honduras			1	Fla.
Wood (crate)	Colombia	1			Fla.

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<i>Nasutitermes costalis</i> (Holmgr.) (Termitidae): Wood (limb with orchid on it).....	Trinidad.....	1			Fla.
<i>Nasutitermes ephratae</i> (Holmgr.) (Termitidae): Bromeliad.....	British Honduras.....			2	Fla.
Orchid.....	British Honduras, Dominican Republic.....			3	Fla.
<i>Schomburgkia</i> sp. (orchid).....	British Honduras.....			1	Fla.
<i>Nasutitermes nigriceps</i> (Hald.) (Termitidae): Airplane.....	do.....		1		Fla.
Bromeliad.....	do.....			4	Fla.
Orchid.....	Brazil, British Honduras.....			2	Fla.
<i>Schomburgkia</i> sp. (orchid).....	British Honduras.....			1	Fla.
<i>Naupactus xanthographus</i> (Germ.) (Curculionidae): <i>Vitis</i> sp. (grape).....	Chile.....	8			N.Y.
<i>Neoleucinodes elegantalis</i> (Guen.) (Pyraustidae): Cargo (with pumpkin).....	Mexico.....	1			Tex.
<i>Lycopersicon esculentum</i> (tomato).....	do.....	2			Tex.
<i>Solanum melongena</i> (eggplant).....	Brazil, Venezuela.....	1	1		N.Y., P.R.
<i>S. quitoense</i> .....	Haiti.....	1			Fla.
<i>Neolobophora ruficeps</i> (Burm.) (Forficulidae): Bromeliad.....	Costa Rica.....			1	Fla.
<i>Neophyllaphis araucariae</i> Takah. (Aphidae): <i>Araucaria</i> sp.....	Hawaii.....			1	Hawaii.
<i>Neotermes castaneus</i> (Burm.) (Kalotermitidae): <i>Dioscorea</i> sp. (yam).....	Haiti.....	1			N.Y.
<i>Nephotettix apicalis</i> (Motsch.) (Cicadellidae): Airplane.....	Japan (?), Philippines (?). Morocco, unknown.....		4		Hawaii.
<i>Nezara viridula</i> (L.) (Pentatomidae): Military cargo.....	Chile, Republic of South Africa.....	2 5			N.Y., S.C. N.Y.
<i>Vitis</i> sp. (grape).....					
<i>Nilotaspis halli</i> (Green) (Coccidae): <i>Prunus</i> sp.....	Iran.....			1	D.C.
<i>Nipponaclerda biwakoensis</i> (Kuw.) (Coccidae): <i>Phragmites communis</i> (reed).....	Japan.....	1			Calif.*
<i>Nudur fractivittarum</i> Dyar (Lithosiidae): Bromeliad.....	British Honduras.....			1	Fla.
<i>Nysius deletulus</i> Perkins (Lygaeidae): Airplane.....	Hawaii.....		1		Hawaii.
<i>Nysius huttoni</i> B. White (Lygaeidae): <i>Lactuca sativa</i> (lettuce).....	New Zealand.....		1		Hawaii.
<i>Nysius raphanus</i> Howard (Lygaeidae): <i>Brassica</i> sp.....	Mexico.....	3			Tex.
Plant—unidentified.....	do.....	1			Ariz.
<i>Portulaca oleracea</i> (purslane).....	do.....	1			Tex.
<i>Portulaca</i> sp.....	do.....	1			Tex.
<i>Zea mays</i> (corn).....	do.....	2			Tex.
<i>Nysius tenellus</i> Barber (Lygaeidae): <i>Agave victoriae-reginae</i> .....	do.....			1	Tex.
Airplane.....	British West Indies.....		1		P.R.
<i>Chrysanthemum parthenium</i> .....	Mexico.....	1			Tex.
<i>Odonaspis ruthae</i> Kot. (Coccidae): <i>Cynodon dactylon</i> (Bermuda grass).....	Republic of South Africa.....			1	D.C.
<i>Cynodon</i> sp. (dogtooth grass).....	Ethiopia.....			1	D.C.
<i>Oenopiella unidentata</i> (Spinola) (Pentatomidae): Airplane.....	Argentina (?).....		1		Fla.
<i>Ogdoecosta biannularis</i> (Boh.) (Chrysomelidae): Bromeliad.....	Mexico.....			1	Ariz.
<i>Onthophagus taurus</i> (Schr.) (Scarabaeidae): Automobile.....	Unknown.....	1			N.Y.
<i>Onychaspidium apicale</i> (Will.) (Chloropidae): Orchid.....	Mexico.....			1	Tex.
<i>Opogona sacchari</i> (Bojer) (Tineidae): <i>Haworthia arachnoidea</i> .....	Republic of South Africa.....			1	N.J.
Log.....	Africa (country ?).....	1			La.
<i>Ornithogalum</i> sp. (chinkerichee).....	Republic of South Africa.....			1	N.J.

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<i>Orchidophilus aterrimus</i> (Waterh.) (Curculionidae):					
Orchid.....	Hawaii.....	1			Hawaii.
<i>Vanda</i> 'Miss Joaquim' (orchid).....	do.....	1			Hawaii.
<i>Orphulella punctata</i> (DeG.) (Acrididae):					
Airplane.....	Dominican Republic.....		1		P.R.
<i>Orthezia praelonga</i> Dougl. (Coccidae):					
<i>Anthurium</i> sp.....	Trinidad.....	1			P.R.
<i>Ostrinia nubilalis</i> (Hbn.) (Pyraustidae):					
<i>Castanea</i> sp. (chestnut).....	Italy.....	1			N.J.
<i>Chrysanthemum morifolium</i> .....	Japan.....	1			Hawaii.
<i>Chrysanthemum</i> sp.....	do.....	1			Wash.
Military cargo.....	Spain.....	1			La.
<i>Phaseolus vulgaris</i> var. (string bean).....	Japan.....		2		Calif.,* Wash.
<i>Sorghum vulgare</i> var. <i>technicum</i> (broomcorn).....	Italy, Yugoslavia.....	3			N.Y.
<i>Otala lactea</i> (Müller) (Helicidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> .....	Italy.....	1			N.Y.
<i>Lactuca sativa</i> (lettuce).....	do.....		1		N.Y.
Military cargo.....	Morocco.....	2			La., Tex.
<i>Otala vermiculata</i> (Müller) (Helicidae):					
Military cargo.....	Italy, Morocco, Spain.....	5			La., N.Y., Va.
<i>Otosema odorata</i> (L.) (Noctuidae):					
Airplane.....	Venezuela.....		1		Fla.
<i>Oulema melanopa</i> (L.) (Chrysomelidae):					
Plant—unidentified.....	Netherlands.....			2	N.J.
Soil with <i>Calluna vulgaris</i> (heather).....	Germany.....			1	Mich.
<i>Ozacs zerensis</i> Arnett (Oedemeridae):					
Baggage.....	Mexico.....	1			Calif.
<i>Orychilus alliarius</i> (Müller) (Zonitidae):					
Cactus.....	Italy.....			1	N.Y.
Orchid.....	Mexico.....			1	Hawaii.
<i>Orychilus draparnaldi</i> (Beck) (Zonitidae):					
Military cargo.....	France.....	1			La.
<i>Ozycopis vittata</i> (Fab.) (Oedemeridae):					
Airplane.....	Puerto Rico.....		1		P.R.
<i>Pachybrachius albocinctus</i> Barber (Lygaeidae):					
<i>Lycopersicon esculentum</i> (tomato).....	Mexico.....	1			Ariz.
<i>Pagiocerus fiorii</i> (Egg.) (Scolytidae):					
<i>Zea mays</i> (corn).....	Peru.....	1	1		La., N.Y.
<i>Palaeopus costicollis</i> Mshl. (Curculionidae):					
<i>Dioscorea</i> sp. (yam).....	Jamaica, Trinidad.....	2			N.Y.
<i>Palpifer serotatus</i> (Moore) (?) (Hepialidae):					
<i>Colocasia antiquorum</i> (taro).....	China.....	1			Wash.
<i>Paragonatus divergens</i> (Dist.) (Lygaeidae):					
Bromeliad.....	British Guiana.....			1	Fla.
<i>Paraputo taraktogeni</i> Rao (Coccidae):					
<i>Zantedeschia</i> sp. (calla lily).....	India.....			1	N.J.
<i>Parischoenus expositus</i> (Champ.) (Curculionidae):					
<i>Chamaedorea</i> sp. (palm) seed.....	Mexico.....			1	Tex.
<i>Parischoenus flavolimbatus</i> (Champ.) (Curculionidae):					
<i>Chamaedorea oblongata</i> (palm) stem.....	do.....	1			Tex.
<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus aurantifolia</i> (lime).....	Brazil, India.....	1	3		Calif.,*
<i>C. grandis</i> (pummelo).....	Formosa.....		1	1	Calif.,* D.C.
<i>C. limon</i> (lemon).....	Argentina, Brazil, unknown.....		4		Ala., Calif.*
<i>C. paradisi</i> (grapefruit).....	Australia(?), Brazil, Surinam, Tahiti, Trinidad, unknown.....		7		Calif.*
<i>C. reticulata</i> (Mandarin orange).....	Philippines.....		1		Hawaii.
<i>C. sinensis</i> (sweet orange).....	Argentina, Brazil, Ecuador, Mexico, Tahiti, unknown.....	5	18		Calif.,* Fla., N.Y.
<i>Parlatoria crotonis</i> Dougl. (Coccidae):					
<i>Codiaeum variegatum</i> (croton).....	Hawaii.....			1	Hawaii.
<i>Parlatoria crypta</i> McKenzie (Coccidae):					
<i>Jasminum</i> sp. (jasmine).....	India.....			1	Wash.



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<i>Parlatoria pittospori</i> Mask. (Coccidae): <i>Leucodendron</i> sp. ....	Republic of South Africa.	-----	-----	1	D.C.
<i>Parlatoria zizyphus</i> (Lucas) (Coccidae): <i>Citrus aurantifolia</i> (sour lime) .....	Cameroon, Gambia, Japan.	1	3	-----	Calif.,* Mass., N.Y.
<i>C. aurantifolia</i> (sweet lime) .....	Italy .....	1	-----	-----	Mass.
<i>C. grandis</i> (pummelo) .....	Japan .....	1	2	-----	Calif.,*
<i>C. limon</i> (lemon) .....	Algeria, Italy, Japan, Liberia.	1	8	-----	Calif.,* N.Y. Tex.
<i>C. paradisi</i> (grapefruit) .....	China, Thailand .....	-----	3	-----	Calif.,*
<i>C. reticulata</i> (Mandarin orange) .....	China, Formosa, Hong Kong, Japan, Okinawa, Philippines.	7	2	-----	Calif.,* Hawaii.
<i>C. sinensis</i> (sweet orange) .....	Algeria, China, Hong Kong, Israel, Italy, Japan, Philippines, Spain, unknown.	4	14	-----	Calif.,* Hawaii, Mass., N.Y.
<i>Citrus</i> sp. (leaf) .....	Japan, Thailand .....	1	1	-----	Calif.,* Hawaii.
<i>Paroxacis antillarum</i> (Champ.) (Oedemeridae): Airplane .....	Venezuela .....	-----	1	-----	Fla.
<i>Palanga japonica</i> (Bol.) (Acrididae): Baggage .....	Japan .....	1	-----	-----	Wash.
<i>Pealius hibisci</i> (Kot.) (Aleyrodidae): <i>Gardenia</i> sp. ....	Hawaii .....	1	-----	-----	Calif.*
<i>Pectinophora gossypiella</i> (Saund.) (Gelechiidae): <i>Gossypium herbaceum</i> (Levant cotton; boll) .....	Trinidad .....	-----	-----	1	Fla.
<i>Gossypium</i> sp. (cotton; bale) .....	India .....	1	-----	-----	Calif.*
<i>Gossypium</i> sp. (cotton; boll) .....	Haiti, Hawaii, Italy, Mexico, Turkey.	7	-----	-----	Fla., Hawaii, N.Y., Tex.
<i>Gossypium</i> sp. (cotton; motes) .....	Brazil .....	1	-----	-----	S.C.
<i>Gossypium</i> s.s. (cottonseed) .....	Brazil, Grand Cayman, Hong Kong, Mexico, United Arab Republic.	7	2	-----	Fla., N.Y., S.C., Tex.
<i>Gossypium</i> sp. (seed cotton) .....	Mexico .....	-----	4	-----	Tex.
<i>Hibiscus esculentus</i> (okra) .....	Dominican Republic, Haiti, Jamaica.	6	3	-----	Fla., N.Y., Pa., P.R.
<i>Hibiscus</i> sp. (lei) .....	Cuba .....	1	-----	-----	Va.
<i>Pelopidas mathias oberthuri</i> Evans (Hesperiidae): Airplane .....	Japan(?) .....	-----	1	-----	Hawaii.
<i>Pemphigus populiramulorum</i> Riley (Aphidae): <i>Populus</i> sp. (leaf) .....	Mexico .....	1	-----	-----	Ariz.
<i>Pentalonia nigronervosa</i> Coq. (Aphidae): <i>Alocasia</i> sp. (leaf) .....	Canal Zone .....	-----	-----	1	Fla.
<i>Alpinia mutica</i> (Malay galangal) .....	Hawaii .....	1	-----	-----	Hawaii.
<i>A. purpurata</i> .....	Hawaii, Panama .....	9	-----	-----	Fla., Hawaii.
<i>Alpinia</i> sp. (flower) .....	Canal Zone, Hawaii, Panama.	2	-----	1	Fla., Hawaii.
<i>Calochortus</i> sp. (mariposa) .....	Cuba .....	1	-----	-----	N.Y.
<i>Fern</i> .....	Peru .....	-----	-----	1	Fla.
<i>Heliconia humilis</i> .....	Hawaii .....	1	-----	-----	Hawaii.
<i>Heliconia</i> sp. ....	Cuba .....	-----	-----	1	Fla.
<i>Phaemera</i> sp. ....	Ecuador .....	1	-----	-----	Fla.
<i>Strelitzia</i> sp. (bird-of-paradise-flower) .....	Jamaica, Panama .....	-----	-----	2	Fla., N.Y.
<i>Zingiber</i> sp. (ginger) .....	Hawaii .....	2	-----	-----	Hawaii.
<i>Pentamerismus oregonensis</i> McG. (Tenuipalpidae): <i>Juniperus chinensis</i> (pyramid Chinese juniper) dwarf.	Japan .....	-----	-----	1	N.Y.
<i>Juniperus</i> sp. ....	do .....	-----	-----	1	Calif.*
<i>Periphyllus aceris</i> (Koch) (Aphidae): <i>Acer pseudoplatanus</i> (sycamore maple) .....	France .....	-----	1	-----	Mass.
<i>Acer</i> sp. ....	do .....	-----	1	-----	N.Y.
<i>Perkinsiella saccharicida</i> Kirk. (Delphacidae): <i>Anthurium</i> sp. ....	Hawaii .....	1	-----	-----	Hawaii.
<i>Phalonia zephyrana</i> (Treit.) (Phaloniidae): <i>Daucus carota</i> var. <i>sativa</i> (carrot) .....	Italy .....	-----	4	-----	Fla., Pa.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Phaneroptera furcifer</i> Stal (Tettigoniidae): Airplane.....	Guam.....	-----	1	-----	Hawaii.
<i>Pheidole megacephala</i> (F.) (Formicidae): <i>Alpinia purpurata</i> (cut flower).....	Hawaii.....	2	-----	-----	Hawaii.
<i>Anacharis</i> sp. (waterweed).....	Cuba.....	-----	-----	1	Fla.
<i>Ananas comosus</i> (pineapple).....	do.....	2	-----	-----	Fla.
Bromeliad.....	British Honduras.....	-----	-----	7	Fla.
<i>Calliandra</i> sp.....	Singapore.....	-----	-----	1	Hawaii.
<i>Capsicum annuum</i> (pepper).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Cibotium</i> sp. (fern).....	do.....	-----	-----	1	Hawaii.
<i>Coccoloba uvifera</i> (seagrape).....	Bermuda.....	1	-----	-----	Mass.
<i>Cocos nucifera</i> (coconut).....	Hawaii.....	3	-----	1	Hawaii.
<i>Cordyline terminalis</i> (ti).....	do.....	1	-----	1	Hawaii.
<i>Crotalaria</i> sp.....	do.....	1	-----	-----	Hawaii.
<i>Cycas revoluta</i> (sago palm).....	Okinawa.....	-----	-----	1	Hawaii.
<i>Dalbergia</i> sp. (rosewood) log.....	Brazil.....	1	-----	-----	La.
Debris.....	Bahamas.....	-----	1	-----	Fla.
Flowers.....	Bermuda.....	1	-----	-----	N.Y.
Food.....	Hawaii.....	1	-----	-----	Hawaii.
<i>Hibiscus</i> sp.....	Bermuda.....	-----	-----	1	N.Y.
<i>Ipomoea batatas</i> (sweetpotato).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Izora chinensis</i> (lei).....	Fiji.....	1	-----	-----	Hawaii.
<i>Lansium domesticum</i> (lansat).....	Philippines.....	1	-----	-----	Hawaii.
<i>Lathyrus odoratus</i> (sweetpea).....	Bermuda.....	1	-----	-----	N.Y.
Mail package.....	Hawaii.....	1	-----	-----	Hawaii.
<i>Musa</i> sp. (rhizome).....	Solomon Islands.....	-----	-----	1	D.C.
Orchid.....	British Honduras, Canal Zone, Hawaii, Honduras, Mexico.	1	-----	9	Fla., Hawaii.
Plant—unidentified.....	Singapore.....	-----	-----	1	Hawaii.
<i>Plumeria</i> sp.....	Hawaii.....	-----	-----	1	Hawaii.
<i>Prunus persica</i> (peach).....	Portugal.....	-----	1	-----	Fla.
<i>Saccharum officinarum</i> (sugarcane).....	St. Kitts.....	1	-----	-----	Am. V.I.
<i>Samanea saman</i> (raintree saman) log.....	Fiji.....	3	-----	-----	Hawaii.
Soil with <i>Mentha</i> sp. (mint) plant.....	Cuba.....	-----	-----	1	N.Y.
Waterlily.....	do.....	1	-----	-----	Fla.
<i>Phenacaspis cockerelli</i> (Cooley) (Coccidae): <i>Mangifera indica</i> (mango).....	Philippines.....	-----	1	-----	Hawaii.
<i>Philaespis bivulnerata</i> (Boh.) (Chrysomelidae): Baggage (with artificial flowers).....	Mexico.....	1	-----	-----	Ill.
<i>Phlyctinus callosus</i> Boh. (Curculionidae): <i>Vitis</i> sp. (grape).....	Republic of South Africa.....	5	-----	-----	N.Y.
<i>Phoebolampra excellens</i> (Walk.) (Tettigoniidae): Quarters.....	Haiti.....	-----	1	-----	Tex.
<i>Phorodon menthae</i> (Buckt.) (Aphidae): <i>Mentha piperita</i> f. <i>rubescens</i> .....	Bulgaria.....	-----	-----	1	D.C.
<i>Mentha</i> sp. (mint).....	England, Mexico.....	1	-----	1	Calif., N.Y.
<i>Phricodus hystrix</i> (Germ.) (Pentatomidae): <i>Sesamum angolense</i> .....	Republic of South Africa.....	-----	-----	1	D.C.
<i>Phurys immunis</i> Guen. (Noctuidae): Airplane.....	Dominican Republic.....	-----	1	-----	Fla.
<i>Phyllophaga analis</i> (Burm.) (Scarabaeidae): <i>Manihot</i> sp. (cassava).....	Cuba.....	1	-----	-----	N.Y.
<i>Phytomyza atricornis</i> Meig. (Agromyzidae): <i>Chrysanthemum</i> sp.....	Bahamas, France.....	8	-----	-----	Fla., N.Y., Ohio.
<i>Phytomyza rufipes</i> Meig. (Agromyzidae): <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower).....	Belgium, England, Netherlands.....	-----	20	-----	N.Y., Pa., Tex.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage).....	Belgium, England, Germany.....	-----	3	-----	N.Y., Pa.
<i>B. rapa</i> (turnip).....	England.....	-----	1	-----	Tex.
<i>Cichorium endivia</i> (endive).....	Belgium, Netherlands.....	11	1	-----	Mass., N.Y.
<i>C. intybus</i> (chicory).....	Belgium.....	2	-----	-----	N.Y.
<i>Lactuca sativa</i> (lettuce).....	Netherlands.....	-----	1	-----	Pa.
<i>Raphanus sativus</i> (radish).....	Unknown.....	-----	1	-----	N.Y.
<i>Pieris brassicae</i> (L.) (Pieridae): <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage).....	Italy.....	-----	2	-----	N.Y.
<i>Lactuca sativa</i> (lettuce).....	Azores.....	-----	1	-----	N.Y.
Military cargo.....	Greece, Morocco.....	3	-----	-----	N.Y., S.C.

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<i>Pinnaspis buzi</i> (Bouché) (Coccidae):					
<i>Cocos nucifera</i> (coconut).....	Cuba.....			1	Fla.
<i>Cordyline terminalis</i> (ti).....	Hawaii, Panama.....	8		3	Fla., Hawaii.
<i>Cordyline</i> sp.....	Hawaii.....	1		1	Hawaii.
Palm (leaf).....	Japan.....		1		Calif.*
<i>Philodendron</i> sp.....	Hawaii.....			1	Hawaii.
<i>Scindapsus</i> sp. (ivy-arum) leaf.....	do.....			1	Hawaii.
<i>Pinnaspis caricis</i> Ferris (Coccidae):					
<i>Ophiopogon</i> sp. (lilyturf).....	Puerto Rico.....			1	D.C.
<i>Pinnaspis theae</i> (Mask.) (Coccidae):					
<i>Camellia sasanqua</i> .....	Formosa.....			1	D.C.
<i>Pityogenes chalcographus</i> (L.) (Scolytidae):					
Conifer (dunnage).....	Belgium, Germany.....		2		Fla.
<i>Plagiomorpha scabricula</i> (Stal) (Chrysomelidae):					
Cactus.....	Mexico.....			1	Tex.
<i>Pligionotus arcuatus</i> (L.) (Cerambycidae):					
Pinus sp. (pine) dunnage.....	Unknown.....		1		Ohio.
<i>Platoeceticus symmicta</i> Dyar (Psychidae):					
<i>Musa paradisiaca</i> (plantain).....	Guatemala.....	1			Fla.
<i>Platynota rostrana</i> (Wlk.) (Tortricidae):					
<i>Ananas comosus</i> (pineapple).....	Mexico.....	1			Tex.
<i>Platypus rugulosus</i> Chap. (Platypodidae):					
<i>Nectandra rodiei</i> (greenhart) piling.....	British Guiana.....	1			Tex.
<i>Plusia orichalcea</i> (F.) (Noctuidae):					
<i>Allium sativum</i> (garlic).....	Spain.....		1		Mich.
<i>Podisus lincolatus</i> (Herrich-Schaeffer) (Pentatomidae):					
<i>Tillandsia</i> sp.....	Mexico.....			1	Tex.
<i>Polyancistrus serrulatus</i> (P. de B.) (Tettigoniidae):					
Orchid.....	Dominican Republic.....			1	Fla.
<i>Polyglypta costata</i> Burm. (Membracidae):					
Bromeliad.....	Mexico.....			1	Tex.
<i>Polytus mellerbori</i> (Boh.) (Curculionidae):					
<i>Musa acuminata</i> (rhizome).....	Philippines.....			1	D.C.
<i>Musa</i> sp. (rhizome).....	do.....			1	D.C.
<i>Popillia lewisi</i> Arrow (Scarabaeidae):					
Airplane.....	Okinawa.....		3		Hawaii.
<i>Porphyrophaphe iostoma</i> Sowerby (Bulimulidae):					
<i>Musa paradisiaca</i> var. <i>sapientum</i> (banana).....	Ecuador, unknown.....	7			Calif.,* La., N.Y.
Quarters.....	Ecuador.....		1		Fla.
<i>Praeaces thecophora</i> (Wlsm.) (Tineidae):					
<i>Dendrobium</i> sp. (orchid).....	Hawaii.....			1	Hawaii.
<i>Prays oleellus</i> (F.) (Hyponomeutidae):					
<i>Olea europaea</i> (olive).....	Italy.....	4		1	N.Y.
<i>Procryptotermes hubbardi</i> (Banks) (Kalotermitidae):					
Wood—unidentified.....	Mexico.....	1			Ariz.
<i>Prodenia litura</i> (F.) (Noctuidae):					
<i>Capsicum annuum</i> (pepper).....	Israel.....		1		N.Y.
<i>Protopulvinaria longivalvata</i> Green (Coccidae):					
Leaf—unidentified.....	Guatemala.....	1			Tex.
<i>Piper nigrum</i> (black pepper) leaf.....	Puerto Rico.....			1	D.C.
<i>Protopulvinaria pyrifomis</i> (Ckll.) (Coccidae):					
<i>Gardenia jasminoides</i> (leaf).....	Cuba.....	2			Fla.
<i>Pseudacysta perseae</i> (Heid.) (Tingidae):					
<i>Persea americana</i> (avocado).....	Mexico.....	1			Tex.
<i>Pseudoaonidia clavigera</i> (Ckll.) (Coccidae):					
<i>Gardenia</i> sp. (leaf).....	Hawaii.....			1	Calif.*
<i>Hibiscus</i> sp.....	do.....			1	Hawaii.
<i>Pseudoaonidia trilobitiformis</i> (Green) (Coccidae):					
<i>Citrus aurantifolia</i> (lime).....	Brazil.....		2		N.Y.
<i>C. limon</i> (lemon).....	Argentina, Brazil.....	1	12		Calif.,* Fla., N.Y., P.R.
<i>C. sinensis</i> (sweet orange).....	Brazil.....		2		Calif.*
<i>Irrora coccinea</i> (leaf).....	Jamaica.....		1		Calif.*
<i>Mangifera indica</i> (mango).....	Philippines.....	1			Hawaii.
<i>Pseudischnaspis alienus</i> (Newst.) (Coccidae):					
<i>Cattleya</i> sp. (orchid) leaf.....	British Honduras, Costa Rica, Guatemala.....			4	Fla., Tex.
<i>Epidendrum</i> sp. (orchid).....	British Honduras.....			1	Tex.



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<i>Pseudischnaspis alienus</i> —Continued					
<i>Oncidium baueri</i> (orchid).....	Canal Zone.....			1	Wash.
<i>Oncidium</i> sp. (orchid).....	do.....			1	Tex.
Orchid.....	British Honduras, Guatemala, Honduras, Mexico, Panama.			6	Calif., * Fla., La., Tex.
<i>Pseudischnaspis bowreyi</i> (Ckll.) (Coccidae):					
<i>Agave</i> sp.....	Jamaica.....			1	Fla.
<i>Pseudischnaspis longissima</i> (Ckll.) (Coccidae):					
<i>Citrus sinensis</i> (sweet orange).....	Costa Rica.....		1		Calif.
<i>Pseudococcus azaleae</i> (Tins.) (Coccidae):					
<i>Rhododendron</i> sp.....	Japan.....			1	N.J.
<i>Pseudococcus boninsis</i> (Kuw.) (Coccidae):					
<i>Saccharum officinarum</i> (sugarcane).....	Australia, Bahamas, Nigeria.	2	1		Bahamas, Hawaii, Mass.
<i>Pseudococcus citriculus</i> Green (Coccidae):					
<i>Citrus reticulata</i> (Mandarin orange).....	Japan.....		1		Hawaii.
<i>Pseudococcus cocotis</i> (Mask.) (tentative) (Coccidae):					
<i>Cocos nucifera</i> (coconut) leaf.....	Christmas Island.....		1		Hawaii.
<i>Pseudococcus gahani</i> Green (Coccidae):					
<i>Citrus limon</i> (lemon).....	Unknown.....		1		N.Y.
<i>Diospyros kaki</i> (kaki persimmon).....	Chile.....	1			Fla.
<i>Protea</i> sp. (cut flower).....	Republic of South Africa.	1			N.Y.
<i>Pseudococcus giffardi</i> Ehrh. (Coccidae):					
<i>Pandanus odoratissimus</i> .....	Hawaii.....	1			Hawaii.
<i>Pseudococcus lilacinus</i> (Ckll.) (Coccidae):					
<i>Psidium guajava</i> (guava).....	Philippines.....	1			Wash.
<i>Pseudococcus mali</i> (Ezzat & McConnell) (tentative) (Coccidae):					
<i>Cordylone terminalis</i> (ti) leaf.....	Hawaii.....	1			Hawaii.
<i>Pseudococcus neobrevipes</i> (Beardsley) (Coccidae):					
<i>Basella alba</i> (white vinespinach).....	Palmyra Island.....	1			Hawaii.
<i>Pseudococcus palmarum</i> (Ehrh.) (Coccidae):					
<i>Cocos nucifera</i> (coconut).....	Hawaii.....	11		3	Calif., * Hawaii.
<i>Pseudococcus pini</i> (Kuw.) (Coccidae):					
<i>Pinus parviflora</i> (Japanese white pine).....	Japan.....			1	Hawaii.
" <i>Pseudoparlatoria</i> " <i>giffardi</i> Adachi & Fullaway (Coccidae):					
<i>Araucaria</i> sp.....	Hawaii.....	1			Hawaii.
<i>Pseudoparlatoria ostreata</i> Ckll. (Coccidae):					
<i>Bromeliad</i> .....	Brazil.....			1	Fla.
<i>Psylla mali</i> (Schmid.) (Psyllidae):					
<i>Malus</i> sp. (apple) scion.....	Switzerland.....			1	Wash.
<i>Ptilia versicolor</i> (Klug) (Argidae):					
<i>Tillandsia</i> sp.....	Mexico.....			1	Tex.
<i>Pulvinaria aurantii</i> Ckll. (Coccidae):					
<i>Citrus aurantium</i> (sour orange).....	Japan.....		1		Calif.*
<i>Pulvinaria psidii</i> Mask. (Coccidae):					
<i>Alpinia purpurata</i> .....	Hawaii.....	4			Hawaii.
<i>Gardenia jasminoides</i> .....	do.....	3		1	Calif., * Hawaii.
<i>Hedychium</i> sp. (ginger lily) leaf.....	do.....	1			Hawaii.
<i>Litchi chinensis</i> (lychee).....	Okinawa.....		1		Hawaii.
<i>Pulvinaria urticae</i> (Ckll.) (Coccidae):					
<i>Zingiber spectabile</i> (redbract ginger).....	Hawaii.....	1			Hawaii.
<i>Puto barberi</i> (Ckll.) (Coccidae):					
Seed pod—unidentified.....	Colombia.....	1			Calif.*
<i>Puto mexicanus</i> (Ckll.) (Coccidae):					
<i>Cephalocereus senilis</i> (oldman cactus).....	Mexico.....			1	Tex.
<i>Epidendrum vitellinum</i> (orchid).....	do.....			1	Hawaii.
<i>Trichopilia tortilis</i> (orchid).....	do.....			1	Hawaii.
<i>Puto ulter</i> Ferris (Coccidae):					
<i>Cypripedium</i> sp. (orchid).....	Guatemala.....			1	Calif.*
<i>Laelia superbiens</i> (orchid).....	do.....			1	Tex.
<i>Odontoglossum grande</i> (orchid).....	do.....			1	Tex.
<i>Odontoglossum</i> var.....	do.....			1	Calif.*
<i>Oncidium</i> sp. (orchid).....	do.....			1	Calif.*
Orchid.....	do.....			3	Ariz., Fla.

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<i>Rehimenia phrynealis</i> Wlk. (Pyraustidae): Airplane.....	Philippines (?).....	-----	1	-----	Hawaii.
<i>Reticulitermes speratus</i> (Kolbe) (Rhinothermidae): Wood—unidentified.....	Japan.....	1	-----	-----	Hawaii.
<i>Rhagoletis alternata</i> (Fall.) (?) (Tephritidae): Rosaceae (berry).....	Italy.....	1	-----	-----	N.Y.
<i>Rhagoletis cerasi</i> (L.) (Tephritidae): <i>Prunus</i> sp. (cherry).....	Czechoslovakia, Denmark, France, Germany, Greece, Hungary, Israel (?), Italy, Netherlands, Poland, Portugal, Spain, unknown.	40	29	-----	Calif.,* Ill., Mass., Mich., N.Y.
<i>Rhagoletis cerasi</i> (L.) (?) (Tephritidae): <i>Prunus</i> sp. (cherry).....	Italy.....	-----	1	-----	Mass.
<i>Rhaphogaster nebulosa</i> (Poda) (Pentatomidae): Military cargo.....	Spain.....	1	-----	-----	La.
<i>Rhynchites auratus</i> (Scop.) (Curculionidae): <i>Prunus spinosa</i> (sloe) seed.....	Scotland.....	-----	-----	1	N.J.
<i>Rhynchotermes nasutissimus</i> (Silv.) (Termitidae): Bromeliad.....	Peru.....	-----	-----	1	Fla.
<i>Rhyparochromus pini</i> (L.) (Lygaeidae): <i>Fragaria</i> sp. (strawberry).....	Germany.....	-----	-----	1	Ill.
<i>Ribua innoxia</i> Hein. (Phycitidae): <i>Ananas comosus</i> (pineapple).....	Cuba, Dominican Republic.....	21	-----	-----	Fla., N.Y.
<i>Rumina decollata</i> (L.) (Achatinidae): Soil.....	Italy.....	1	-----	-----	N.Y.
<i>Sardia pluto</i> (Kirk.) (Delphacidae): Airplane.....	South Pacific.....	-----	1	-----	Hawaii.
<i>Schoenobius incertulus</i> (Wlk.) (Schoenobiidae): Airplane.....	Unknown.....	-----	1	-----	Hawaii.
<i>Selenothrips rubrocinctus</i> (Giard) (Thripidae): <i>Codiaeum</i> sp. (leaf).....	Hawaii.....	1	-----	-----	Hawaii.
Orchid (leaf).....	Peru.....	-----	-----	1	Fla.
<i>Sesamia cretica</i> Led. (Noctuidae): <i>Sorghum vulgare</i> (sorghum) stalk.....	Italy.....	1	-----	-----	Md.
<i>Sesamia inferens</i> (Wlk.) (Noctuidae): <i>Oryza sativa</i> (rice).....	Japan.....	-----	1	-----	Hawaii.
<i>Sesamia nonagrioides</i> (Lef.) (Noctuidae): <i>Zea mays</i> (corn) stalk.....	Spain.....	1	-----	-----	N.Y.
<i>Sessinia livida</i> (Fab.) (Oedemeridae): Airplane.....	Canton Island, Christmas Island.....	-----	3	-----	Hawaii.
<i>Sinoxylon anale</i> Lesne (Bostrichidae): Wood (crate).....	India.....	1	-----	-----	Mass.
<i>Sinoxylon conigerum</i> Gerst. (Bostrichidae): Airplane.....	Okinawa (?).....	-----	1	-----	Hawaii.
Mail package.....	Hawaii.....	1	-----	-----	Hawaii.
Wood (crate).....	England, India, Pakistan.....	5	-----	-----	Calif.,* Fla., N.Y., S.C.
<i>Sinoxylon ruficorne</i> Fahr. (Bostrichidae): Wood (crate).....	Angola.....	1	-----	-----	N.Y.
<i>Siphanta acuta</i> (Wlk.) (Flatidae): <i>Alpinia purpurata</i> (cut flower).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Anthurium</i> sp. (cut flower).....	do.....	1	-----	-----	Hawaii.
<i>Metrosideros</i> sp. (iron tree).....	do.....	1	-----	-----	Hawaii.
<i>Phaeomeria magnifica</i> (cut flower).....	do.....	1	-----	-----	Hawaii.
<i>Sitona hispidula</i> (F.) (Curculionidae): Bagging.....	Germany.....	1	-----	-----	Wis.
Debris.....	do.....	-----	1	-----	Wis.
<i>Sitona lineata</i> (F.) (Curculionidae): Leaf—unidentified.....	Portugal.....	-----	1	-----	N.Y.
Plant—unidentified.....	Netherlands.....	-----	-----	2	N.J.
<i>Syringa</i> sp. (lilac) cut flower.....	do.....	2	-----	-----	N.Y.
<i>Solaropsis monile</i> (Broderip) (Camaenidae): <i>Musa paradisiaca</i> var. <i>sapientum</i> (banana).....	Ecuador.....	3	-----	-----	Ala., Fla.
<i>Solenopsis saevissima richteri</i> Forel. (Formicidae): <i>Juglans regia</i> (English walnut).....	South America (country ?).....	-----	1	-----	Fla.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Sparedrus depressus</i> (Champ.) (Oedemeridae): Orchid.....	Mexico.....	-----	-----	1	Tex.
<i>Sparticus villosus</i> (F.) (Bruchidae): <i>Laburnum alpinum</i> (seed).....	Italy.....	-----	-----	1	N.J.
<i>L. anagyroides</i> (seed).....	do.....	-----	-----	1	N.J.
<i>Specularius erythrinae</i> Bridw. (Bruchidae): <i>Erythrina abyssinica</i> (seed).....	Federation of Rhodesia and Nyasaland.	-----	-----	1	N.J.
<i>E. humeana</i> (Hume coralbean) seed.....	Federation of Rhodesia and Nyasaland, Republic of South Africa.	-----	-----	2	N.J.
<i>Erythrina</i> sp.....	Federation of Rhodesia and Nyasaland.	-----	-----	1	N.J.
<i>Stator limbatus</i> (Horn) (Bruchidae): Legume (seed).....	Hawaii.....	-----	-----	1	Hawaii.
<i>Pithecellobium mericanum</i> (seed).....	Mexico.....	-----	-----	1	Ariz.
<i>Samanea saman</i> (raintree saman) seed.....	Hawaii.....	1	-----	-----	Hawaii.
<i>Stator prutinus</i> (Horn) (Bruchidae): <i>Dianthus caryophyllus</i> (carnation) lei.....	do.....	2	-----	-----	Hawaii.
<i>Leucaena leucocephala</i> (seed).....	do.....	1	-----	-----	Hawaii.
<i>Stenotarsonemus laticeps</i> (Halb.) (Tarsonemidae): <i>Narcissus</i> sp. (bulb).....	England, Ireland, Northern Ireland.	-----	-----	266	N.J.
<i>Stenoma catenifer</i> Wlsm. (Stenomidae): <i>Persea americana</i> (avocado).....	Brazil, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama.	22	-----	1	Ariz., Calif.,* Fla., La., Tex.
<i>Stenoptilia stigmatodactyla</i> Zell. (Pterophoridae): <i>Gentiana</i> sp. (cut bloom).....	Switzerland.....	2	-----	-----	N.Y.
<i>Stephanitis pyri</i> (F.) (Tingidae): <i>Chrysanthemum</i> sp.....	Greece.....	-----	-----	1	N.Y.
<i>Stephanitis pyrioides</i> (Scott) (Tingidae): <i>Rhododendron</i> sp. (azalea).....	Japan.....	-----	-----	1	Hawaii.
<i>Stephanitis typica</i> (Dist.) (Tingidae): <i>Garcinia</i> sp. (fruit).....	Philippines.....	1	-----	-----	Wash.
<i>Stephanoderes hampei</i> (Ferr.) (Scolytidae): <i>Coffea arabica</i> (Arabian coffee).....	Brazil.....	-----	-----	1	D.C.
<i>Sternochetus mangiferae</i> (F.) (Curculionidae): <i>Mangifera indica</i> (mango).....	Guam, Hawaii, India.....	29	14	2	Calif.,* Hawaii, Pa.
<i>Sterrhia inguinata</i> (Scop.) (Geometridae): <i>Anthemis</i> sp. (camomile) tea.....	Yugoslavia.....	1	-----	-----	Ill.
Herbs (dried).....	Italy.....	1	-----	-----	N.Y.
<i>Stromatium longicorne</i> (Newm.) (Cerambycidae): Airplane.....	Okinawa(?).....	-----	1	-----	Hawaii.
<i>Subulina octona</i> (Bruguiere) (Achatinidae): Bromeliad.....	Surinam.....	-----	-----	1	Fla.
<i>Persea americana</i> (avocado).....	St. Lucia.....	-----	-----	1	P.R.
<i>Subulitermes microsoma</i> (Silv.) (Termitidae): <i>Dalbergia</i> sp. (rosewood) log.....	Brazil.....	1	-----	-----	La.
<i>Suidasia medanensis</i> Oud. (Acaridae): <i>Secale cereale</i> (rye) straw.....	France.....	1	-----	-----	Fla.
<i>Sybra alternans</i> (Wied.) (Cerambycidae): Baggage.....	Hawaii.....	1	-----	-----	Hawaii.
<i>Syneda confirmans</i> Wlk. (Noctuidae): Quarters.....	Bahamas.....	-----	1	-----	Fla.
<i>Synyrias diffundens</i> (Wlk.) (Noctuidae): Airplane.....	Venezuela.....	-----	1	-----	Fla.
<i>Systole albipennis</i> Wlk. (Eurytomidae): Stores.....	England.....	-----	1	-----	Fla.
<i>Taeniothrips atratus</i> (Hal.) (Thripidae): <i>Callistephus chinensis</i> (China-aster).....	Norway.....	1	-----	-----	N.Y.
<i>Calluna vulgaris</i> (heather).....	Canada, Scotland.....	2	-----	-----	N.Y., Wash.
<i>Dianthus caryophyllus</i> (carnation).....	Germany, Hungary, Poland, unknown.	3	1	-----	Ill., N.Y.
<i>Dianthus</i> sp.....	Norway, unknown.....	1	1	-----	N.Y.



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		Consumption	Nonentry	Propagation	
<i>Taeniothrips atratus</i> —Continued					
Flowers—mixed.....	England, Germany, Poland.....	7	-----	-----	Mass., N.Y.
<i>Gladiolus</i> hybrid.....	Hungary.....	1	-----	-----	N.Y.
<i>Lathyrus odoratus</i> (sweetpea).....	England.....	1	-----	-----	Mass.
<i>Lavandula</i> sp. (lavender).....	do.....	-----	-----	1	Mass.
Plant—unidentified.....	Netherlands.....	-----	-----	4	N.J.
<i>Rosa</i> hybrid.....	England, Poland.....	3	-----	-----	N.Y.
<i>Taeniothrips dianthi</i> Pr. (Thripidae):					
<i>Dianthus caryophyllus</i> (carnation).....	Germany, Hungary.....	2	-----	-----	Ill., N.Y.
<i>Dianthus</i> sp.....	Unknown.....	-----	1	-----	N.Y.
Flowers—mixed.....	Poland, unknown.....	2	-----	-----	N.J., N.Y.
<i>Taeniothrips distalis</i> Karny (Thripidae):					
<i>Chrysanthemum morifolium</i> .....	Japan.....	1	-----	-----	Hawaii.
<i>Dianthus caryophyllus</i> (carnation).....	do.....	1	-----	-----	Hawaii.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae):					
<i>Calluna vulgaris</i> (heather).....	Norway, Scotland.....	4	1	2	Ill., Mass., N.Y.
<i>Rosa</i> hybrid.....	England.....	1	-----	-----	N.Y.
<i>Taeniothrips gracilis</i> Mit. (Thripidae):					
<i>Amaryllis</i> sp. (bulb).....	Japan.....	-----	-----	2	N.Y.
<i>Gladiolus</i> hybrid.....	Bermuda.....	1	-----	-----	N.Y.
<i>Lathyrus odoratus</i> (sweetpea).....	do.....	1	-----	-----	N.Y.
<i>Lycoris aurea</i> (bulb).....	Japan.....	1	-----	2	Calif., * N.Y.
<i>L. sprengeri</i> (bulb).....	do.....	-----	-----	1	N.Y.
<i>L. squamigera</i> (bulb).....	do.....	-----	-----	6	Calif., * N.Y.
<i>Lycoris</i> sp. (bulb).....	do.....	-----	-----	4	Calif., *
<i>Narcissus tazetta</i> (polyanthus narcissus).....	Formosa.....	-----	-----	1	Hawaii.
<i>Taeniothrips hawaiiensis</i> (Morg.) (Thripidae):					
<i>Dendrobium superbum</i> (orchid).....	Hawaii.....	1	-----	-----	Hawaii.
Flowers—mixed.....	do.....	-----	1	-----	N.Y.
<i>Gardenia jasminoides</i> .....	Australia, Hawaii.....	54	1	-----	Hawaii.
<i>G. taitensis</i> .....	Hawaii.....	1	-----	-----	Calif., *
Orchid.....	do.....	2	-----	-----	Hawaii.
<i>Oryza sativa</i> (rice).....	Ceylon.....	1	-----	-----	Hawaii.
<i>Plumeria rubra</i> (Mexican frangipani).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Plumeria</i> sp.....	do.....	2	-----	-----	Hawaii.
<i>Polianthes tuberosa</i> (tuberose).....	do.....	1	-----	-----	Hawaii.
<i>Rosa</i> hybrid.....	Australia.....	-----	1	-----	Hawaii.
<i>Strongylodon macrobotrys</i> .....	Hawaii.....	1	-----	-----	Hawaii.
<i>Taeniothrips vitticornis</i> (Karny) (Thripidae):					
<i>Canavalia microcarpa</i> .....	do.....	1	-----	-----	Hawaii.
Wood—unidentified.....	Philippines.....	1	-----	-----	Hawaii.
<i>Talponia batesi</i> Hein. (Olethreutidae):					
<i>Annona cherimola</i> (cherimoya).....	Mexico.....	3	-----	-----	Calif., Tex.
<i>Taphropeltus contractus</i> Herrich-Schaeffer (Lygaeidae):					
<i>Fragaria</i> sp. (strawberry).....	France.....	-----	-----	1	N.Y.
<i>Targionia glomerata</i> (Green) (Coccidae):					
<i>Saccharum</i> sp.....	India.....	-----	-----	1	D.C.
" <i>Targionia</i> " <i>hartii</i> (Ckll.) (Coccidae):					
<i>Arum</i> sp.....	Dominican Republic.....	1	-----	-----	N.Y.
<i>Dioscorea</i> sp. (yam).....	Anguilla, Cuba, St. Lucia.....	3	-----	-----	Fla., N.Y., P.R.
<i>Zingiber officinale</i> (ginger).....	Federation of Malaya, Fiji, unknown.....	4	-----	-----	Calif., * Ill., Mass., Wash.
" <i>Targionia</i> " <i>sacchari</i> (Ckll.) (Coccidae):					
<i>Cymbopogon citratus</i> (lemongrass).....	Puerto Rico.....	-----	-----	1	D.C.
<i>Saccharum officinarum</i> (sugarcane).....	Barbados.....	1	-----	-----	N.Y.
<i>Saccharum</i> spp.....	Cuba.....	-----	-----	1	D.C.
<i>Targionia vitis</i> (Sign.) (Coccidae):					
<i>Vitis</i> sp. (grape) cutting.....	Italy.....	-----	-----	1	N.Y.
<i>Tayloriylgus pallidulus</i> (Blanch.) (Miridae):					
<i>Cucumis sativus</i> (cucumber).....	Mexico.....	1	-----	-----	Ariz.
<i>Tenthoris bicolor</i> Scott (Miridae):					
Orchid.....	British Honduras, Mexico.....	-----	-----	2	Fla., Tex.
<i>Tenthoris confusus</i> Hsiao & Saller (Miridae):					
Orchid.....	British Honduras, El Salvador.....	-----	-----	2	Fla.

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<i>Tenthecoris distinctus</i> Hsiao & Sailer (Miridae):					
<i>Amaryllis</i> sp. ....	Peru .....			1	Fla.
Orchid .....	Mexico, Peru .....			2	Fla., Tex.
<i>Tenthecoris vestitus</i> (Dist.) (Miridae):					
<i>Oncidium</i> sp. (orchid) leaf .....	Nicaragua .....			1	Fla.
<i>Tenuipalpus japonicus</i> Ehara (Tenuipalpidae):					
<i>Diospyros</i> sp. (persimmon) .....	Japan .....	1			Wash.
<i>Tenuipalpus pacificus</i> Baker (Tenuipalpidae):					
<i>Phalaenopsis</i> sp. (orchid) .....	Philippines .....			1	Hawaii.
<i>Vandopsis</i> sp. (orchid) .....	do .....			1	Hawaii.
<i>Tenuirostritermes cinereus</i> (Buckley) (Termitidae):					
Railway car .....	Mexico .....		1		Tex.
<i>Termes hispaniolae</i> (Banks) (Termitidae):					
<i>Schomburgkia</i> sp. (orchid) .....	Grand Cayman .....			1	Fla.
<i>Tetranychus cinnabarinus</i> (Bois.) (Tetranychidae):					
<i>Citrus limon</i> (lemon) .....	Italy .....	1			N.Y.
<i>Rosa</i> hybrid (rose) leaf .....	Argentina .....		1		Fla.
<i>Tetranychus ludeni</i> Zacher (Tetranychidae):					
<i>Citrus limon</i> (lemon) .....	Italy .....	1			N.Y.
<i>Tetranychus neocalidonicus</i> Andre (Tetranychidae):					
<i>Arum</i> sp. ....	Hawaii .....			1	Hawaii.
<i>Tetranychus viennensis</i> Zacher (Tetranychidae):					
<i>Malus sylvestris</i> (apple) .....	Germany, Japan, unknown .....	1	2		Fla., N.C., Wash.
<i>Tetrapriocera longicornis</i> (Ol.) (Bostrichidae):					
Wood (crate) .....	Cuba .....	4			Fla.
<i>Thaumatomyia notata flavifrons</i> Macq. (Chloropidae):					
Airplane .....	Morocco .....	1			Fla.
<i>Theba pisana</i> (Müller) (Helicidae):					
<i>Anthemis</i> sp. (camomile) .....	Spain .....	1			P.R.
<i>Beta vulgaris</i> (beet) .....	Unknown .....		1		Mich.
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage) .....	France, Italy .....		2		N.Y., Va.
<i>Citrus sinensis</i> (sweet orange) .....	Morocco .....		1		S.C.
<i>Lactuca sativa</i> (lettuce) .....	France, Italy .....		2		N.Y.
<i>L. sativa</i> var. <i>longifolia</i> (romaine lettuce) .....	France .....		1		N.Y.
Military cargo .....	France, Italy, Libya, Morocco, Spain, Turkey, unknown .....	54			La., N.Y., N.C., S.C.
Mollusks .....	France .....		1		N.Y.
Quarters .....	Spain .....		1		Va.
<i>Thrips angusticeps</i> Uzel (Thripidae):					
<i>Cynara scolymus</i> (artichoke) .....	Spain .....	1			N.Y.
<i>Lactuca sativa</i> (lettuce) .....	England, unknown .....		3		N.Y.
<i>Thrips flavus</i> Schrank (Thripidae):					
<i>Althaea</i> sp. ....	France .....			1	N.J.
<i>Calluna vulgaris</i> (heather) .....	Scotland .....	1		1	Mass., N.Y.
<i>Chrysanthemum morifolium</i> .....	Japan, unknown .....	1	1		Mass., Hawaii.
Flowers—mixed .....	Germany, Scotland .....	2			N.Y.
<i>Gladiolus</i> hybrid .....	Hungary .....	1			N.Y.
<i>Paeonia suffruticosa</i> (tree peony) .....	Japan .....			1	N.J.
Plant—unidentified .....	Netherlands .....			5	N.J.
<i>Rosa</i> hybrid .....	Denmark, Germany .....	3	1		Ill., N.Y.
Soil sample .....	Ireland .....	1			N.Y.
<i>Thrips imaginis</i> Bgn. (Thripidae):					
Flowers—mixed .....	Australia .....	1	1		Hawaii.
<i>Gladiolus</i> hybrid .....	do .....	1			Hawaii.
<i>Thrips major</i> Uzel (Thripidae):					
<i>Calluna vulgaris</i> (heather) cut flower .....	Germany .....	1			Ill.
<i>Convallaria majalis</i> (lily-of-the-valley) .....	Unknown .....		1		N.Y.
<i>Ficus carica</i> (fig) .....	Italy .....	1			Mass.
Flowers—mixed .....	Denmark, Scotland .....	2			N.Y.
<i>Rosa</i> hybrid .....	Azores, England, France, Germany .....	8		1	Ill., Mass., N.Y.
<i>Thyanta pallidivirens</i> (Stal) (Pentatomidae):					
<i>Chrysanthemum</i> sp. ....	Mexico .....	1			Tex.
<i>Thysanoccocus chinensis</i> Stickney (Coccidae):					
<i>Calamus</i> sp. (rattan palm) .....	Australia .....	1			Calif.*

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<i>Toxoptera citricidus</i> (Kirk.) (Aphidae):					
Leaf.....	Hawaii.....	1	-----	-----	Hawaii.
<i>Trialeurodes vitrinellus</i> Ckll. (Aleyrodidae):					
Citrus sp. (leaf).....	Mexico.....	1	-----	-----	Tex.
<i>Trionymus lounsburyi</i> (Brain) (Coccidae):					
Crassula marnierana.....	Netherlands.....	-----	-----	1	D.C.
<i>Trionymus sacchari</i> (Ckll.) (Coccidae):					
Saccharum officinarum (sugarcane).....	Cuba, Hawaii, Mexico, Peru.....	3	-----	3	D.C., Fla., Hawaii, Tex.
<i>Saccharum</i> sp.....	Barbados, Cuba, Hawaii.....	-----	-----	3	D.C.
<i>Trogoderma granarium</i> Everts (Dermestidae):					
Acacia senegal (gum arabic).....	Sudan, United Arab Republic.....	29	-----	-----	Mass., N.Y.
<i>Anogeissus latifolia</i> (gum ghatti).....	India.....	3	-----	-----	N.Y.
<i>Apium graveolens</i> (celery) seed.....	do.....	4	-----	-----	N.Y., N.C.
<i>Arachis hypogaea</i> (peanut).....	Nigeria, Senegal, unknown.....	-----	3	-----	Ohio, Tex.
Bagging (including used burlap and wrappers on cinnamon, cotton waste, gum karaya, guar gum, pigeonpea, rice, stores, etc.).	Ceylon, England, India, Mozambique, Netherlands, Pakistan, Singapore, Sudan, Thailand, United Arab Republic, unknown.....	26	15	-----	Ga., Md., N.Y., N.C., Pa., S.C., Tex.
<i>Cicer arietinum</i> (chickpea).....	India.....	-----	2	-----	Md., Va.
<i>Cinnamomum</i> sp.....	Ceylon.....	4	-----	-----	N.Y.
<i>Corylus avellana</i> (filbert) nut.....	Kuwait.....	1	-----	-----	Mass.
<i>Cuminum cyminum</i> (cumin) seed.....	India.....	1	-----	-----	N.Y.
<i>Cyamopsis tetragonoloba</i> (guar gum).....	India, Pakistan.....	10	-----	-----	N.Y., N.C., S.C.
Debris.....	Unknown.....	-----	1	-----	Ill.
Food—miscellaneous.....	India.....	-----	1	-----	Wash.
<i>Gossypium</i> sp. (cottonseed).....	do.....	-----	-----	1	D.C.
Gum—unidentified.....	India, Sudan.....	2	-----	-----	N.Y.
Karaya gum.....	India, Pakistan.....	7	-----	-----	N.Y., N.C.
<i>Manihot esculenta</i> (common cassava).....	Singapore.....	-----	1	-----	N.Y.
<i>Oryza sativa</i> (rice).....	China, Formosa, Hong Kong, India, Iraq, Japan, Korea, Pakistan, Philippines(?), Thailand, United Arab Republic, unknown.....	1	18	-----	Calif., * Fla., Hawaii, Mass., N.Y., N.C., Pa., Tex.
<i>Palaequium gutta</i> (gutta-percha).....	Nigeria.....	1	-----	-----	N.Y.
<i>Phaseolus lunatus</i> (lima bean).....	India.....	-----	1	-----	N.C.
<i>Phaseolus</i> sp. (bean) dry.....	Formosa.....	-----	1	-----	Calif. *
<i>Pistacia</i> sp. (pistache) nut.....	Pakistan.....	3	-----	-----	N.Y.
<i>Pisum sativum</i> (pea).....	Greece.....	-----	1	-----	La.
Quarters (hold of ship).....	Unknown.....	-----	8	-----	Calif., * Ill., Mich., S.C.
<i>Secale cereale</i> (rye) straw.....	France.....	1	-----	-----	Mass.
Stores (including bean, chickpea, corn, flour, grits, lentil, macaroni, noodles, pigeonpea, sesame seed, soybean, and miscellaneous dry stores)	Formosa, Germany, Greece, Hong Kong, India, Italy, Japan, Netherlands (?), Singapore, United Arab Republic, unknown.....	-----	37	-----	Calif., * La., Md., Mich., N.Y., N.C., Pa., S.C., Tex.
<i>Terminalia</i> sp. (myrobalan).....	India.....	13	1	-----	Md., N.Y., S.C., Va.
<i>Triticum aestivum</i> (wheat).....	do.....	1	-----	-----	Va.
<i>Zingiber officinale</i> (ginger) root.....	Federation of Malaya, Singapore.....	2	-----	-----	N.Y.
<i>Trogoxylon aequale</i> (Woll.) (Lyctidae):					
Wood—unidentified.....	Philippines.....	2	-----	-----	Ala., Hawaii
<i>Trogoxylon prostomoides</i> (Gorh.) (Lyctidae):					
Swietenia mahagoni (mahogany) bowl.....	Haiti.....	1	-----	-----	Fla.
<i>Tropidacris latreillei</i> (Perty) (Acrididae):					
Baggage (in envelope).....	Trinidad.....	1	-----	-----	Fla.
Quarters (deck of ship).....	Unknown.....	-----	1	-----	Pa.



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<i>Tyrophagus oudemansi</i> Robertson (Acaridae):					
<i>Calluna vulgaris</i> (heather).....	Scotland.....			1	N.Y.
<i>Daucus carota</i> var. <i>sativa</i> (carrot).....	Germany.....		1		Fla.
<i>Fragaria</i> sp. (strawberry).....	France.....			1	N.Y.
<i>Tyrophagus tropicus</i> Robertson (Acaridae):					
<i>Nephrolepis exaltata</i> (common swordfern).....	Hawaii.....			1	Hawaii.
<i>Udea ferrugalis</i> (Hbn.) (Pyraustidae):					
<i>Solanum melongena</i> (eggplant).....	Italy.....		1		N.Y.
<i>Unaspis citri</i> (Comst.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime).....	Brazil, Cuba, Panama	2	2		Calif.,* Fla.
<i>C. aurantium</i> (sour orange).....	Japan.....		1		Calif.*
<i>C. aurantium</i> var.....	do.....		2		Calif.*
<i>C. ichangensis</i> x <i>C. reticulata</i> (ichangarin).....	do.....		1		Calif.*
<i>C. ichangensis</i> x <i>C. reticulata</i> (ichangarin).....	do.....		1		Calif.*
<i>C. paradisi</i> (grapefruit).....	Panama (?), West Indies.		2		Calif.*
<i>C. reticulata</i> (Mandarin orange).....	Japan.....		1		Calif.*
<i>C. sinensis</i> (sweet orange).....	Brazil, Cuba, Haiti, Mexico.	5	3		Calif.,* Fla., N.C.
<i>Unaspis yanonensis</i> (Kuw.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime).....	Japan, Philippines.....	2	7		Calif.,* Hawaii.
<i>C. aurantium</i> (sour orange).....	Japan.....	1	31		Calif.*
<i>C. aurantium</i> var.....	do.....		2		Calif.*
<i>C. ichangensis</i> var. (ichang bitter-orange).....	do.....		6		Calif.*
<i>C. ichangensis</i> x <i>C. reticulata</i> (ichangarin).....	do.....		1		Calif.*
<i>C. limon</i> (lemon).....	do.....		17		Calif.*
<i>C. paradisi</i> (grapefruit).....	do.....	2	12		Calif.,* Hawaii.
<i>C. paradisi</i> x <i>C. reticulata</i> (tangelo).....	do.....	1	1		Hawaii.
<i>C. reticulata</i> (Mandarin orange).....	do.....	39	168		Calif.,* Hawaii, N.Y.
<i>C. reticulata</i> hybrid (King orange).....	do.....	1	3		Hawaii.
<i>C. sinensis</i> (sweet orange).....	Japan, Philippines.....	9	161		Calif.,* Hawaii, N.Y., Pa.
<i>Citrus</i> sp.....	Japan.....		3		Calif.,* Hawaii.
<i>Valtissius diversus</i> (Dist.) (Lygaeidae):					
Orchid.....	Canal Zone, Guatemala.....			2	Fla.
<i>Veronicella moreleti</i> (Crosse & Fischer) (?) (Veronicellidae):					
Plant—unidentified.....	Costa Rica.....			1	Fla.
<i>Vinsonia stellifera</i> (Westw.) (Coccidae):					
<i>Achras zapota</i> (sapodilla) leaf.....	Cuba.....	1			Fla.
<i>Brassia caudata</i> (orchid).....	Canal Zone.....			1	Wash.
<i>Brassia</i> sp.....	Honduras, Jamaica.....			2	Fla.
<i>Broughtonia</i> sp. (orchid).....	Jamaica.....			11	Fla.
<i>Citrus</i> sp. (leaf).....	Dominican Republic.....	1			N.Y.
<i>Cocos nucifera</i> (coconut) frond.....	Trinidad.....	2			Am. V.I.
<i>Epidendrum atropurpureum</i> (orchid).....	Costa Rica.....			1	Fla.
<i>E. fragrans</i> .....	Trinidad.....			1	Fla.
<i>E. stamfordianum</i> .....	Canal Zone.....			1	Fla.
<i>Heliconia</i> sp. (leaf).....	Haiti, unknown.....	2			Fla., N.Y.
<i>Lycaste</i> sp. (orchid).....	Venezuela.....			1	Fla.
<i>Oncidium powellii</i> (orchid).....	Canal Zone.....			1	Calif.*
<i>Oncidium</i> sp.....	Ecuador.....			1	Fla.
Orchid.....	American Virgin Islands, Antigua, Bahamas, British Guiana, British Honduras, Canal Zone, Cuba, Dominica, Honduras, Jamaica, Kenya, Mexico, Nicaragua, Panama, Peru, Trinidad, unknown.			33	Calif.,* Fla., La., N.Y., P.R.
<i>Trigonidium</i> sp. (orchid).....	British Honduras.....			1	Fla.
<i>Xiphidiopsis lita</i> Heb. (Tettigoniidae):					
<i>Cymbidium</i> sp. (orchid).....	Hawaii.....	1			Hawaii.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Xiphistes furcicornis</i> (Germ.) (Membracidae): Vitis sp. (grape).....	Republic of South Africa.	1	-----	-----	N.Y.
<i>Xylobiops parilis</i> Lesne (Bostrichidae): Orchid.....	Mexico.....	-----	-----	1	Tex.
<i>Xylobiops sextuberculatus</i> (LeC.) (Bostrichidae): Debris.....	do.....	-----	1	-----	Tex.
<i>Xylomeira torquata</i> (F.) (Bostrichidae): Airplane.....	Unknown.....	-----	1	-----	P.R.
<i>Xylopsocus castanoptera</i> (Fairm.) (Bostrichidae): Airplane.....	Japan (?).....	-----	1	-----	Hawaii.
<i>Zeadiatraea lineolata</i> (Wlk.) (Crambidae): Zea mays (corn).....	Honduras.....	1	-----	-----	Fla.
<i>Zetha charesi</i> (Bol.) (Polyphagidae): Straw (jacket).....	Azores.....	1	-----	-----	Mass.

## Hosts and Insects

## ACACIA:

- Mimosestes sallaei* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## ACER:

- Aceria macrorhynchus* (Acarina)  
*Chrysomphalus inopinat* (Homoptera)  
*Lecanium coryli* (Homoptera)  
*Periphyllus aceris* (Homoptera)

## ACHRAS:

- Vinsonia stellifera* (Homoptera)

## AGAVE:

- Aegiale hesperiaris* (Lepidoptera)  
*Batrachedra linaria* (Lepidoptera)  
*Chrysomphalus agavis* (Homoptera)  
*Gymnococcus agavium* (Homoptera)  
*Ligyrocotis nitidulus* (Hemiptera)  
*Nysius tenellus* (Hemiptera)  
*Pseudischnaspis bowreyi* (Homoptera)

## ALLIUM CEPA:

- Aceria tulipae* (Acarina)  
*Ecpanttheria icasia* (Lepidoptera)  
*Myzus ascalonicus* (Homoptera)

## ALLIUM PORRUM:

- Acrolepia assectella* (Lepidoptera)

## ALLIUM SATIVUM:

- Aceria tulipae* (Acarina)  
*Brachycerus algirus* (Coleoptera)  
*Dyspepsa ulula* (Lepidoptera)  
*Plusia orichalcea* (Lepidoptera)

## ALOCASIA:

- Pentalonia nigronervosa* (Homoptera)

## ALPINIA:

- Adoretus sinicus* (Coleoptera)  
*Bradybaena similis* (Mollusca)  
*Pentalonia nigronervosa* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pulvinaria psidii* (Homoptera)  
*Siphanta acuta* (Homoptera)

## ALTHAEA:

- Thrips flavus* (Thysanoptera)

## ALYXIA:

- Ceroplastes rubens* (Homoptera)

## AMARYLLIS:

- Euborellia stali* (Dermaptera)  
*Taeniothrips gracilis* (Thysanoptera)  
*Tenthoris distinctus* (Hemiptera)

## ANACHARIS:

- Pheidole megacephala* (Hymenoptera)

## ANANAS:

- Alpheias conspirata* (Lepidoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Platynota rostrana* (Lepidoptera)  
*Ribua innoxia* (Lepidoptera)

## ANNONA:

- Anastrepha ludens* (Diptera)  
*Aspidiotus destructor* (Homoptera)  
*Bephra maculicollis* (Hymenoptera)  
*Brevipalpus phoenicis* (Acarina)  
*Cerconota anonella* (Lepidoptera)  
*Talponia batesi* (Lepidoptera)

## ANOGEISSUS:

- Trogoderma granarium* (Coleoptera)

## ANTHEMIS:

- Helicella variabilis* (Mollusca)  
*Sterrhia inquinata* (Lepidoptera)  
*Theba pisana* (Mollusca)

## ANTHURIUM:

- Bradybaena similis* (Mollusca)  
*Ceroplastes rubens* (Homoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Orthezia praelonga* (Homoptera)  
*Perkinsiella saccharicida* (Homoptera)  
*Siphanta acuta* (Homoptera)

## APIUM:

- Euleia heraclei* (Diptera)  
*Trogoderma granarium* (Coleoptera)

## ARACHIS:

- Caryedon gonagra* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## ARAUCARIA:

- Eriococcus araucariae* (Homoptera)  
*Neophyllaphis araucariae* (Homoptera)  
 "Pseudoparlatoria" giffardi (Homoptera)

## ARECA:

- Dacus dorsalis* (?) (Diptera)

## ARTOCARPUS:

- Eutetranychus banksi* (Acarina)

## ARUM:

- "Targionia" hartii (Homoptera)  
*Tetranychus neocalidonicus* (Acarina)

## ASIMINA:

- Ceratitis capitata* (Diptera)

## ASTER:

- Myzus ascalonicus* (Homoptera)

## BAMBOO:

- Asterolecanium mliaris robustum* (Homoptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Dinoderus brevis* (Coleoptera)  
*Minthea rugicollis* (Coleoptera)  
*Myelobia smerinthus* (Lepidoptera)

## BAMBUSA:

- Asterolecanium bambusae* (Homoptera)  
*Heterobrychus aequalis* (Coleoptera)

## BARRINGTONIA:

- Ectomyelois ceratoniae* (Lepidoptera)

## BASELLA:

- Pseudococcus neobrevipes* (Homoptera)

## BETA:

- Agromimoschema ocellatella* (Lepidoptera)  
*Theba pisana* (Mollusca)

## BETULA:

- Eriophyes leionotus* (Acarina)

## BIFRENNARIA:

- Asterolecanium epidendri* (Homoptera)

## BORASSUS:

- Dinoderus brevis* (Coleoptera)

## BRASSIA:

- Vinsonia stellifera* (Homoptera)

## BRASSICA OLERACEA VAR. BOTRYTIS:

- Egergestis forficalis* (Lepidoptera)  
*Helix aperta* (Mollusca)  
*Limax marginatus* (Mollusca)  
*Mamestra brassicae* (Lepidoptera)  
*Otala lactea* (Mollusca)  
*Phytomyza rufipes* (Diptera)

## BRASSICA OLERACEA VAR. CAPITATA:

- Ecpanttheria eridanus* (Lepidoptera)  
*Epilachna 28-punctata* (Coleoptera)  
*Helicella itala* (Mollusca)  
*Helix aperta* (Mollusca)  
*Hellula undalis* (Lepidoptera)  
*Limax marginatus* (Mollusca)  
*L. maximus* (Mollusca)  
*Mamestra brassicae* (Lepidoptera)  
*Monacha carthusiana* (Mollusca)  
*Phytomyza rufipes* (Diptera)  
*Pieris brassicae* (Lepidoptera)  
*Theba pisana* (Mollusca)

## BRASSICA RAPA:

- Phytomyza rufipes* (Diptera)

## BRASSICA SP.:

- Mamestra brassicae* (Lepidoptera)  
*Nysius raphanus* (Hemiptera)

## BROMELIA:

- Isohrinus undatus* (Coleoptera)

## BROMELIAD:

- Agrocinota propinqua* (Coleoptera)  
*Arphnus melanotylus* (Hemiptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Clerada apicicornis* (Hemiptera)  
*Cyrtomenus bergi* (Hemiptera)  
*Dallasiellus orchidiphilus* (Hemiptera)  
*Dysdercus minus* (Hemiptera)  
*Iridomyrmex iniquus* (Hymenoptera)  
*I. leucomelas* (Hymenoptera)  
*Nasutitermes ephratae* (Isoptera)  
*N. nigriceps* (Isoptera)  
*Neolobophora ruficeps* (Dermaptera)  
*Nudur fractivittarum* (Lepidoptera)  
*Ogdocoستا biannularis* (Coleoptera)  
*Paragonatas divergens* (Hemiptera)  
*Pheidole megacephala* (Hymenoptera)  
*Polyglypta costata* (Homoptera)  
*Pseudoparlatoria ostreata* (Homoptera)  
*Rhynchoterms nasutissimus* (Isoptera)  
*Subulina octona* (Mollusca)

## BROSIMUM:

- Chrysomphalus personatus* (Homoptera)

## BROUGHTONIA:

- Asterolecanium epidendri* (Homoptera)  
*Vinsonia stellifera* (Homoptera)



## Hosts and Insects—Continued

- BUXUS:**  
*Eriophyes canestrinii* (Acarina)
- CACTUS:**  
*Amitermes wheeleri* (Isoptera)  
*Aulacoscelis melanocera* (Coleoptera)  
*Camirus moestus* (Coleoptera)  
*Lepidosaphes philococcus* (Homoptera)  
*Orychilus alliaris* (Mollusca)  
*Plagiomorpha scabricula* (Coleoptera)
- CAJANUS:**  
*Ancylostomia stercorea* (Lepidoptera)  
*Callosobruchus analis* (Coleoptera)  
*Epinothia aporema* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)
- CALAMUS:**  
*Thysanococcus chinensis* (Homoptera)
- CALLIANDRA:**  
*Pheidole megacephala* (Hymenoptera)
- CALLISTEPHUS:**  
*Taeniothrips atratus* (Thysanoptera)
- CALLUNA:**  
*Aphis callunae* (Homoptera)  
*Gelechia ericetella* (Lepidoptera)  
*Limothrips denticornis* (Thysanoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*T. ericae* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)  
*T. major* (Thysanoptera)  
*Tyrophagus oudemansi* (Acarina)
- CALOCARPUM:**  
*Anastrepha mombinpraepitans* (Diptera)  
*A. serpentina* (Diptera)  
*Chrysomphalus odontoglossi* (Homoptera)  
*C. personatus* (Homoptera)
- CALOCHORTUS:**  
*Pentalonia nigronervosa* (Homoptera)
- CALOPHYLLUM:**  
*Dacus dorsalis* (Diptera)
- CAMELLIA:**  
*Aleurotrachelus camelliae* (Homoptera)  
*Aspidiotus degeneratus* (Homoptera)  
*Ceromema japonica* (Homoptera)  
*Fiorinia theae* (Homoptera)  
*Pinnaspis theae* (Homoptera)
- CANANGA:**  
*Bemisia tabaci* (Homoptera)
- CANAVALIA:**  
*Lampides boeticus* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Taeniothrips vitticornis* (Thysanoptera)
- CAPRICORN:**  
*Ceratitidis capitata* (?) (Diptera)  
*Frankliniella sulphurea* (?) (Thysanoptera)  
*Gnorimoschema gudmannella* (Lepidoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Prodenia litura* (Lepidoptera)
- CASSIA:**  
*Aganactes indecora* (Lepidoptera)  
*Caryedon gonagra* (Coleoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*E. muriscis* (Lepidoptera)
- CASTANEA:**  
*Hemimele juliana* (Lepidoptera)  
*Laspeyresia splendana* (Lepidoptera)  
*Ostrinia nubilalis* (Lepidoptera)
- CATASETUM:**  
*Asterolecanium epidendri* (Homoptera)
- CATTLEA:**  
*Asterolecanium epidendri* (Homoptera)  
*Eurytoma orchidearum* (Hymenoptera)  
*Pseudischnaspis alienus* (Homoptera)
- CEDRUS:**  
*Megastigmus suspectus pinsapinis* (Hymenoptera)
- CELOSIA:**  
*Cryptoblabes gnidiella* (Lepidoptera)
- CEPHALOCEREUS:**  
*Puto mericanus* (Homoptera)
- CHAMAECYPARIS:**  
*Diaspis juniperi* (Homoptera)
- CHAMAEDOREA:**  
*Asterolecanium inlabefactum* (Homoptera)  
*Calyptoccephala marginipennis* (Coleoptera)  
*Charidotis seminulum* (Coleoptera)  
*Deloyala guttata* (Coleoptera)  
*Helicina strebeli* (Mollusca)
- Labia arcuata* (Dermaptera)  
*Parisoschoenus expositus* (Coleoptera)  
*P. flavolimbatus* (Coleoptera)
- CHAMAEROPS:**  
*Dactyloctenium aegyptium* (Coleoptera)
- CHRYSAETHUM:**  
*Bryobia eharis* (Acarina)  
*Conotelus mexicanus* (Coleoptera)  
*Frankliniella formosae* (Thysanoptera)  
*Lygus lineolaris* (Hemiptera)  
*Nysius tenellus* (Hemiptera)  
*Ostrinia nubilalis* (Lepidoptera)  
*Phytomyza atricornis* (Diptera)  
*Stephanitis pyri* (Hemiptera)  
*Taeniothrips distalis* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)  
*Thyanta pallidovirens* (Hemiptera)
- CHRYSOHYLLUM:**  
*Anastrepha serpentina* (Diptera)
- CIBOTIUM:**  
*Pheidole megacephala* (Hymenoptera)
- CICER:**  
*Bruchus tristiculus* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)
- CICORIUM:**  
*Phytomyza rufipes* (Diptera)
- CINNAMOMUM:**  
*Trogoderma granarium* (Coleoptera)
- CITRUS AURANTIFOLIA:**  
*Aleurocanthus woglumi* (Homoptera)  
*Anastrepha ludens* (Diptera)  
*Chrysomphalus personatus* (Homoptera)  
*Morganella longispina* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Pseudonidia trilobitiformis* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)
- CITRUS AURANTIUM:**  
*Aleurocanthus spiniferus* (Homoptera)  
*Aleurotuberculatus aucubae* (Homoptera)  
*Anastrepha ludens* (Diptera)  
*Pulvinaria aurantii* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)
- CITRUS AURANTIUM VAR.:**  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)
- CITRUS GRANDIS:**  
*Morganella longispina* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*P. zizyphus* (Homoptera)
- CITRUS ICHANGENSIS VAR.:**  
*Unaspis yanonensis* (Homoptera)
- CITRUS ICHANGENSIS X C. RETICULATA:**  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)
- CITRUS LIMON:**  
*Aonidiella citrina* (Homoptera)  
*Brevipalpus chilensis* (Acarina)  
*B. obovatus* (Acarina)  
*Ceratitidis capitata* (Diptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Fiorinia proboscidiaria* (Homoptera)  
*Lorryia formosa* (Acarina)  
*L. mali* (Acarina)  
*Parlatoria cinerea* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Pseudonidia trilobitiformis* (Homoptera)  
*Pseudococcus gahani* (Homoptera)  
*Tetranychus cinnabarinus* (Acarina)  
*T. ludeni* (Acarina)  
*Unaspis yanonensis* (Homoptera)
- CITRUS PARADISI:**  
*Anastrepha ludens* (Diptera)  
*Aonidiella citrina* (Homoptera)  
*Brevipalpus phoenicis* (Acarina)  
*Ceratitidis capitata* (Diptera)  
*Morganella longispina* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)
- CITRUS PARADISI X C. RETICULATA:**  
*Unaspis yanonensis* (Homoptera)

## Hosts and Insects—Continued

## CITRUS RETICULATA:

- Aleurotuberculatus aucubae* (Homoptera)
- Brevipalpus obovatus* (Acarina)
- B. phoenicis* (Acarina)
- Ceratitidis capitata* (Diptera)
- Morganella longispina* (Homoptera)
- Parlatoria cinerea* (Homoptera)
- P. zizyphus* (Homoptera)
- Pseudococcus citriculus* (Homoptera)
- Unaspis citri* (Homoptera)
- U. yanonenensis* (Homoptera)

## CITRUS RETICULATA HYBRID:

- Unaspis yanonenensis* (Homoptera)

## CITRUS SINENSIS:

- Aleurocanthus woglumi* (Homoptera)
- Aleurolobus marlattii* (Homoptera)
- Aleurotuberculatus aucubae* (Homoptera)
- Anastrepha ludens* (Diptera)
- Aonidiella citrina* (Homoptera)
- Aspidiotus destructor* (Homoptera)
- A. palmarum* (Homoptera)
- Bemisia citricola* (Homoptera)
- Brevipalpus phoenicis* (Acarina)
- Ceratitidis capitata* (Diptera)
- Chrysomphalus personatus* (Homoptera)
- Cryptoblabes gnidiella* (Lepidoptera)
- Ectomyelois ceratoniae* (Lepidoptera)
- Morganella longispina* (Homoptera)
- Parlatoria cinerea* (Homoptera)
- P. zizyphus* (Homoptera)
- Pseudosiphonaphis trilobifolius* (Homoptera)
- Pseudosiphonaphis longissima* (Homoptera)
- Theba pisana* (Mollusca)
- Unaspis citri* (Homoptera)
- U. yanonenensis* (Homoptera)

## CITRUS SINENSIS X PONCIRUS

- TRIFOLIATA:
- Aonidiella citrina* (Homoptera)

## CITRUS SP.:

- Aleurocanthus woglumi* (Homoptera)
- Aonidiella citrina* (Homoptera)
- Coccus viridis* (Homoptera)
- Dialeurodes citrifolii* (Homoptera)
- Parlatoria zizyphus* (Homoptera)
- Trialeurodes vitrinellus* (Homoptera)
- Unaspis yanonenensis* (Homoptera)
- Vinsonia stellifera* (Homoptera)

## COCOLOBIA:

- Pheidole megacephala* (Hymenoptera)

## COCOS:

- Aspidiotus destructor* (Homoptera)
- A. excisus* (Homoptera)
- A. palmarum* (Homoptera)
- A. pangonensis* (Homoptera)
- Blastobasis inana* (Lepidoptera)
- Chrysomphalus albopictus* (Homoptera)
- Diocalandra taitensis* (Coleoptera)
- Fiorinia theae* (Homoptera)
- Furcaspiis oceanica* (Homoptera)
- Pheidole megacephala* (Hymenoptera)
- Pinnaspis buzi* (Homoptera)
- Pseudococcus cocotis* (tentative) (Homoptera)
- P. palmarum* (Homoptera)
- Vinsonia stellifera* (Homoptera)

## CODIAEUM:

- Lepidosaphes tokionis* (Homoptera)
- Parlatoria crotonis* (Homoptera)
- Selenothrips rubrocinctus* (Thysanoptera)

## COFFEA:

- Auximobasis coffeae* (Lepidoptera)
- Brevipalpus phoenicis* (Acarina)
- Ceratitidis capitata* (Diptera)
- Coccus alpinus* (Homoptera)
- C. viridis* (Homoptera)
- Ectomyelois ceratoniae* (Lepidoptera)
- Leucoptera coffeella* (Lepidoptera)
- Stephanoderes hampei* (Coleoptera)

## COLA:

- Ceratitidis colae* (?) (Diptera)

## COLOCASIA:

- Palpifer sexnotatus* (?) (Lepidoptera)

## CONVALLARIA:

- Thrips major* (Thysanoptera)

## CORDYLINE:

- Bradybaena similis* (Mollusca)
- Dacus dorsalis* (?) (Diptera)
- Pheidole megacephala* (Hymenoptera)
- Pinnaspis buzi* (Homoptera)
- Pseudococcus mali* (tentative) (Homoptera)

## CORYLUS:

- Trogoderma granarium* (Coleoptera)

## CRASSULA:

- Trionymus lounsburyi* (Homoptera)

## CRATAEGUS:

- Grapholitha packardii* (Lepidoptera)

## CRESCENTIA:

- Heterotermes cardini* (Isoptera)

## CRINUM:

- Haplothrips gowdeyi* (Thysanoptera)

## CROTALARIA:

- Pheidole megacephala* (Hymenoptera)

## CRYPTOMERIA:

- Callidium rufipenne* (Coleoptera)
- Megastigmus cryptomeriae* (Hymenoptera)

## CUCUMIS:

- Dacus cucurbitae* (Diptera)
- Dysdercus mimus* (Hemiptera)
- D. suterellus* (?) (Hemiptera)
- Ligyrocoris aurivilliana* (Hemiptera)
- Tayloriyyus pallidulus* (Hemiptera)

## CUCURBITA:

- Dacus cucurbitae* (Diptera)

## CUMINUM:

- Trogoderma granarium* (Coleoptera)

## CUPRESSUS:

- Callidium rufipenne* (Coleoptera)
- Forficula senegalensis* (Dermaptera)

## CYAMOPSIS:

- Trogoderma granarium* (Coleoptera)

## CYATHEA:

- Nasutitermes corniger* (Isoptera)

## CYCAD:

- Diaspis zamiae* (Homoptera)

## CYCAS:

- Pheidole megacephala* (Hymenoptera)

## CYDONIA:

- Anastrepha ludens* (Diptera)
- Ceratitidis capitata* (Diptera)
- Ectomyelois ceratoniae* (Lepidoptera)

## CYMBIDIUM:

- Xiphidiopsis lita* (Orthoptera)

## CYMBOPOGON:

- "Targionia" *sacchari* (Homoptera)

## CYNARA:

- Anuraphis cardui* (Homoptera)
- Apion carduorum* (Coleoptera)
- Gortyna flavago* (Lepidoptera)
- Thrips angusticeps* (Thysanoptera)

## CYNODON:

- Odonaspis ruthae* (Homoptera)

## CYPRIPEDIUM:

- Puto ulter* (Homoptera)

## DALBERGIA:

- Amitermes foreli* (Isoptera)
- Coptotermes niger* (Isoptera)
- C. testaceus* (Isoptera)
- Heterotermes convexinotatus* (Isoptera)
- Nasutitermes corniger* (Isoptera)
- Pheidole megacephala* (Hymenoptera)
- Subulitermes microsoma* (Isoptera)

## DAUCUS:

- Phalonia zephyrana* (Lepidoptera)
- Tyrophagus oudemansi* (Acarina)

## DENDROBIUM:

- Monomorium destructor* (Hymenoptera)
- Praeaccedes thecophora* (Lepidoptera)
- Taeniothrips hawaiiensis* (Thysanoptera)

## DIALIUM:

- Caryedon gonagra* (Coleoptera)

## DIANTHUS:

- Arge ochropa* (Hymenoptera)
- Frankliniella formosae* (Thysanoptera)
- F. intonsa* (Thysanoptera)
- Sator pruininus* (Coleoptera)
- Taeniothrips atratus* (Thysanoptera)
- T. dianthi* (Thysanoptera)
- T. distalis* (Thysanoptera)

## DIGITARIA:

- Antonina graminis* (Homoptera)

## Hosts and Insects—Continued

## DIOSCOREA:

- Neotermes castaneus* (Isoptera)
- Palaeopus costicollis* (Coleoptera)
- "*Targionia*" *hartii* (Homoptera)

## DIOSPYROS:

- Lepidosaphes conchiformis* (Homoptera)
- L. kuwacola* (Homoptera)
- L. yanagicola* (Homoptera)
- Pseudococcus gahani* (Homoptera)
- Tenuipalpus japonicus* (Acarina)

## DRACAENA:

- Cephaloleia pretiosa* (Coleoptera)

## ENCEPHALARTOS:

- Diaspis zamiae* (Homoptera)

## ENTEROLOBIUM:

- Ectomyelois muriscis* (Lepidoptera)

## EPIDENDRUM:

- Asterolecanium epidendri* (Homoptera)
- Chrysomphalus umboniferus* (Homoptera)
- Conchaspis orchidarum* (Homoptera)
- Pseudischinaspis alienus* (Homoptera)
- Puto mericanus* (Homoptera)
- Vinsonia stellifera* (Homoptera)

## ERIOBOTRYA:

- Ceratitis capitata* (Diptera)
- Lepidosaphes punicae* (Homoptera)
- Specularius erythrinae* (Coleoptera)

## EUGENIA:

- Dacus dorsalis* (Diptera)

## FICUS:

- Azochis gripusalis* (Lepidoptera)
- Ceratitis capitata* (Diptera)
- Cero plastes ruscii* (Homoptera)
- Draslerius bimaculatus* (Coleoptera)
- Ephestia calidella* (Lepidoptera)
- Homotoma ficus* (Homoptera)
- Lepidosaphes ficus* (Homoptera)
- Thrips major* (Thysanoptera)

## FOENICULUM:

- Anuraphis apiifoliae* (?) (Homoptera)

## FRAGARIA:

- Cecilioides acicula* (Mollusca)
- Euborellia plebeja* (Dermaptera)
- Rhyparochromus pini* (Hemiptera)
- Taphropeltus contractus* (Hemiptera)
- Tyrophagus oudemansi* (Acarina)

## FUCHSIA:

- Brevipalpus obovatus* (Acarina)

## GARCINIA:

- Stephanitis typica* (Hemiptera)

## GARDENIA:

- Coccus viridis* (Homoptera)
- Dialeurodes kirkaldyi* (Homoptera)
- Pealius hibisci* (Homoptera)
- Protopulvinaria pyriformis* (Homoptera)
- Pseudonidia clavigera* (Homoptera)
- Pulvinaria psidii* (Homoptera)
- Taeniothrips hawaiiensis* (Thysanoptera)

## GENTIANA:

- Stenoptilia stigmatodactyla* (Lepidoptera)

## GLADIOLUS:

- Euscelis plebejus* (Homoptera)
- Frankliniella intonsa* (Thysanoptera)
- Monomorium destructor* (Hymenoptera)
- Taeniothrips atratus* (Thysanoptera)
- T. gracilis* (Thysanoptera)
- Thrips flavus* (Thysanoptera)
- T. imagnis* (Thysanoptera)

## GOSSYPIUM:

- Ceresium unicolor* (Coleoptera)
- Pectinophora gossypiella* (Lepidoptera)
- Trogoderma granarium* (Coleoptera)

## HAKEA:

- Bhisus diplopterus* (Hemiptera)

## HAWORTHIA:

- Opogona sacchari* (Lepidoptera)

## HEDYCHUM:

- Pulvinaria psidii* (Homoptera)

## HELICHRYSUM:

- Frankliniella intonsa* (Thysanoptera)
- Haplothrips gowdeyi* (Thysanoptera)

## HELICONIA:

- Bradybaena similis* (Mollusca)
- Eucalymnatus tessellatus* (Homoptera)
- Pentalonia nigronervosa* (Homoptera)
- Vinsonia stellifera* (Homoptera)

## HIBISCUS:

- Aceria hibisci* (Acarina)
- Earias cyproviridis* (Lepidoptera)
- Pectinophora gossypiella* (Lepidoptera)
- Pheidole megacephala* (Hymenoptera)
- Pseudonidia clavigera* (Homoptera)

## ILEX:

- Dialeurodes tristylis* (Homoptera)

## IPOMOEA:

- Bradybaena similis* (Mollusca)
- Cylas formicarius* (Coleoptera)
- C. formicarius elegantulus* (Coleoptera)
- C. formicarius formicarius* (Coleoptera)
- Euscepes porcellus* (Coleoptera)
- E. postfasciatus* (Coleoptera)
- Graptostethus manillensis* (Hemiptera)
- Megastes grandalis* (Lepidoptera)
- Pheidole megacephala* (Hymenoptera)

## IXORA:

- Brevipalpus phoenicis* (Acarina)
- Coccus viridis* (Homoptera)
- Pheidole megacephala* (Hymenoptera)
- Pseudonidia trilobitiformis* (Homoptera)

## JASMINUM:

- Aonidiella comperei* (Homoptera)
- Coccus viridis* (Homoptera)
- Dialeurodes kirkaldyi* (Homoptera)
- Lecanium corni* (Homoptera)
- Parlatoria crypta* (Homoptera)

## JUGLANS:

- Ectomyelois ceratoniae* (Lepidoptera)
- Solenopsis saevissima richieri* (Hymenoptera)

## JUNIPERUS:

- Acronicta rumicis* (Lepidoptera)
- Diaspis minima* (Homoptera)
- Lepidosaphes newsteadi* (Homoptera)
- Pentamerismus oregonensis* (Acarina)

## KENTIA:

- Aspidiotus destructor* (Homoptera)
- A. palmae* (Homoptera)
- Furcaspis haematochroa* (Homoptera)

## LABURNUM:

- Sparteus villosus* (Coleoptera)

## LACTUCA:

- Athalia colibri* (Hymenoptera)
- Conotelus mexicanus* (Coleoptera)
- Dicyphus annulatus* (Hemiptera)
- Haplothrips clarisetis* (?) (Thysanoptera)
- Helicella maritima* (Mollusca)
- H. variabilis* (Mollusca)
- Helix aperta* (Mollusca)
- H. aspersa* (Mollusca)
- Limax marginatus* (Mollusca)
- Macroshum formosanum* (Homoptera)
- Monacha cantiana* (Mollusca)
- Nysius huttoni* (Hemiptera)
- Otala lactea* (Mollusca)
- Phylomyza rufipes* (Diptera)
- Pieris brassicae* (Lepidoptera)
- Theba pisana* (Mollusca)
- Thrips angusticeps* (Thysanoptera)

## LAELIA:

- Puto uller* (Homoptera)

## LANSIUM:

- Pheidole megacephala* (Hymenoptera)

## LATHYRUS:

- Acanthothrips coriaceus* (Thysanoptera)
- Bruchus affinis* (Coleoptera)
- B. emarginatus* (Coleoptera)
- B. tristiculus* (Coleoptera)
- B. tristis* (Coleoptera)
- Frankliniella intonsa* (Thysanoptera)
- Pheidole megacephala* (Hymenoptera)
- Taeniothrips atratus* (Thysanoptera)
- T. gracilis* (Thysanoptera)

## LAURUS:

- Gynaikothrips ficorum* (Thysanoptera)

## LAVANDULA:

- Taeniothrips atratus* (Thysanoptera)

## LENS:

- Bruchus ervi* (Coleoptera)
- B. lentis* (Coleoptera)
- B. signaticornis* (Coleoptera)
- Callosobruchus rhodesianus* (Coleoptera)

## LEUCADENDRON:

- Parlatoria pilosipori* (Homoptera)



## Hosts and Insects—Continued

## LEUCAENA:

*Stator pruininus* (Coleoptera)

## LILIUM:

*Frankliniella lilivora* (Thysanoptera)

## LIPPIA:

*Brevipalpus obovatus* (Acarina)

*Frankliniella paucispinosa* (Thysanoptera)

## LITCHI:

*Coccus viridis* (Homoptera)

*Cryptophlebia illepidia* (Lepidoptera)

*C. ombrodelta* (Lepidoptera)

*Dacus dorsalis* (Diptera)

*Pulvinaria psidii* (Homoptera)

## LUPINUS:

*Bruchus tristis* (Coleoptera)

## LYCASTE:

*Vinsonia stellifera* (Homoptera)

## LYCOPERSICON:

*Dacus cucurbitae* (Diptera)

*Neoleucinodes elegantalis* (Lepidoptera)

*Pachybrachius albocinctus* (Hemiptera)

## LYCORIS:

*Taeniothrips gracilis* (Thysanoptera)

## MACADAMIA:

*Aspidiotus herculeanus* (Homoptera)

*Cryptophlebia illepidia* (Lepidoptera)

## MALUS:

*Adoxophyes orana* (Lepidoptera)

*Argyresthia conjugella* (Lepidoptera)

*Carposina niponensis* (Lepidoptera)

*Ceratitidis capitata* (Diptera)

*Epidaspis piricola* (Homoptera)

*Grapholitha janthiana* (?) (Lepidoptera)

*Psylla mali* (Homoptera)

*Tetranychus viennensis* (Acarina)

## MANGIFERA:

*Anastrepha ludens* (Diptera)

*A. mombinpraepotans* (Diptera)

*Aonidiella inornata* (Homoptera)

*Aulacaspis tubercularis* (Homoptera)

*Ceratitidis capitata* (Diptera)

*Chrysomphalus personatus* (Homoptera)

*Dacus dorsalis* (Diptera)

*Heterotermes convexinotatus* (Isoptera)

*Phenacaspis cockerelli* (Homoptera)

*Pseudodaonidia trilobitiformis* (Homoptera)

*Sternonchetus mangiferae* (Coleoptera)

## MANIHOT:

*Phyllophaga analis* (Coleoptera)

*Trogoderma granarium* (Coleoptera)

## MEDICAGO:

*Conotelus mexicanus* (Coleoptera)

## MENTHA:

*Brevipalpus obovatus* (Acarina)

*Phorodon menthae* (Homoptera)

## METROSIDEROS:

*Siphanta acuta* (Homoptera)

## MURRAYA:

*Aulacaspis crawii* (Homoptera)

## MUSA:

*Automolis ataeia* (Lepidoptera)

*Ceramidia viridis* (Lepidoptera)

*Ceratitidis capitata* (?) (Diptera)

*Cosmopolites sordidus* (Coleoptera)

*Dacus dorsalis* (Diptera)

*Epilachna borealis* var. (Coleoptera)

*Euglandina striata* (Mollusca)

*Metamastix hemipterus sericeus* (Coleoptera)

*Pheidole megacephala* (Hymenoptera)

*Platoceticus symmicta* (Lepidoptera)

*Polytus mellerborgi* (Coleoptera)

*Porphyrobaphe iostoma* (Mollusca)

*Solaropsis monile* (Mollusca)

## NARCISSUS:

*Steneotarsonemus laticeps* (Acarina)

*Taeniothrips gracilis* (Thysanoptera)

## NECTANDRA:

*Platypus rugulosus* (Coleoptera)

## NEPHELIUM:

*Dichocrocis punctiferalis* (Lepidoptera)

## NEPHROLEPIS:

*Tyrophagus tropicus* (Acarina)

## NERINE:

*Frankliniella schultzei* (Thysanoptera)

## NERIUM:

*Aspidiotus destructor* (Homoptera)

*Conotelus mexicanus* (Coleoptera)

*Cryptoblabes gnidiella* (Lepidoptera)

## NOLINA:

*Lepidosaphes philococcus* (Homoptera)

## OCHRASIA:

*Dacus dorsalis* (Diptera)

## ODONTOGLOSSUM:

*Puto ulter* (Homoptera)

## OLEA:

*Dacus oleae* (Diptera)

*Prays oleellus* (Lepidoptera)

## ONCIDIUM:

*Pseudischinas pis alienus* (Homoptera)

*Puto ulter* (Homoptera)

*Tenthecoris vestitus* (Hemiptera)

*Vinsonia stellifera* (Homoptera)

## OPHIOPOGON:

*Pinnaspis caricis* (Homoptera)

## OPUNTIA:

*Ceratitidis capitata* (Diptera)

## ORCHID:

*Andrector salvini* (Coleoptera)

*Aspidiotus mendax* (Homoptera)

*A. palmae* (Homoptera)

*Asterolecanium epidendri* (Homoptera)

*Bradybaena similis* (Mollusca)

*Cecilioides acicula* (Mollusca)

*Chrysogramma octomaculata* (Coleoptera)

*Chrysomphalus opimus* (tentative) (Homoptera)

*C. umboniferus* (Homoptera)

*Coccoconotus degeeri* (Orthoptera)

*Corimelaena palmeri* (Hemiptera)

*Deloyala guttata* (Coleoptera)

*Diorymerellus laevimargo* (Coleoptera)

*Doru albipes* (Dermaptera)

*Dysdercus andreae* (Hemiptera)

*Eobia bicolor* (Hemiptera)

*Eurytoma orchidearum* (Hymenoptera)

*Farinococcus guatemalensis* (Homoptera)

*Helix aspersa* (Mollusca)

*Insara tolteca* (Orthoptera)

*Isodomyrmex iniquus* (Hymenoptera)

*Lepidosaphes tuberculata* (Homoptera)

*Lincus rufopilotus* (Coleoptera)

*Mecolaemus carvalhoi* (Hemiptera)

*Microcerotermes exiguus* (Isoptera)

*Mormidea inermis* (Hemiptera)

*Myodocho longicollis* (Hemiptera)

*Nasutitermes corniger* (Isoptera)

*N. ephratae* (Isoptera)

*N. nigriceps* (Isoptera)

*Onychaspidium apicale* (Diptera)

*Orchidophilus aterrimus* (Coleoptera)

*Oryzihilus alliarius* (Mollusca)

*Pheidole megacephala* (Hymenoptera)

*Polyancistrus serrulatus* (Orthoptera)

*Pseudischinas pis alienus* (Homoptera)

*Puto ulter* (Homoptera)

*Selenothrips rubrocinctus* (Thysanoptera)

*Sparedrus depressus* (Coleoptera)

*Taeniothrips hawaiiensis* (Thysanoptera)

*Tenthecoris bicolor* (Hemiptera)

*T. confusus* (Hemiptera)

*T. distinctus* (Hemiptera)

*Valtissius diversus* (Hemiptera)

*Vinsonia stellifera* (Homoptera)

*Xylobius parilis* (Coleoptera)

## ORNITHOGALUM:

*Diaphone eumela* (Lepidoptera)

*Epichorista ionephela* (Lepidoptera)

*Opgona sacchari* (Lepidoptera)

## ORYZA:

*Calameuta idolon* (Hymenoptera)

*Chilo suppressalis* (Lepidoptera)

*Sesamia inferens* (Lepidoptera)

*Taeniothrips hawaiiensis* (Thysanoptera)

*Trogoderma granarium* (Coleoptera)

## OSMANTHUS:

*Aleurotuberculatus aucubae* (Homoptera)

## PAEONIA:

*Callidium rufipenne* (Coleoptera)

*Thrips flavus* (Thysanoptera)

## PALAQUIUM:

*Trogoderma granarium* (Coleoptera)

## Hosts and Insects—Continued

## PALM:

- Aspidiotus destructor* (Homoptera)
- Asterolecanium simile* (Homoptera)
- Chrysomphalus sphaeroides* (Homoptera)
- Coccotrypes carpophagus* (Coleoptera)
- Pinnaspis buxi* (Homoptera)

## PANDANUS:

- Aspidiotus destructor* (Homoptera)
- Pseudococcus giffardi* (Homoptera)

## PELARGONIUM:

- Coccus viridis* (Homoptera)
- Corythucha mclfreshi* (Hemiptera)

## PERISTERIA:

- Asterolecanium epidendri* (Homoptera)

## PERSEA:

- Chrysomphalus albopictus* (Homoptera)
- C. personatus* (Homoptera)
- Lamellaris gracilis* (Mollusca)
- Pseudacysta perseae* (Hemiptera)
- Stenoma catenifer* (Lepidoptera)
- Subulina octona* (Mollusca)

## PETROSELINUM:

- Anuraphis apiifoliae* (?) (Homoptera)
- Mamestra brassicae* (Lepidoptera)

## PHAEOMERIA:

- Pentalonia nigronervosa* (Homoptera)
- Siphanta acuta* (Homoptera)

## PHALAENOPSIS:

- Tenuipalpus pacificus* (Acarina)

## PHASEOLUS:

- Acanthoscelides obreptus* (Coleoptera)
- Ancylostomia stercorea* (Lepidoptera)
- Callosobruchus rhodesianus* (Coleoptera)
- Eeeres comyntas* (Lepidoptera)
- Forficula pubescens* (Dermaptera)
- Hedylepta indicata* (Lepidoptera)
- Maruca testulalis* (Lepidoptera)
- Matsumuraes phaseoli* (Lepidoptera)
- Ostrinia nubilalis* (Lepidoptera)
- Trogoderma granarium* (Coleoptera)

## PHILODENDRON:

- Chrysomphalus tenax* (Homoptera)
- Pinnaspis buxi* (Homoptera)

## PHRAGMITES:

- Brevipalpus chilensis* (Acarina)
- Dasyneura inclusa* (Diptera)
- Nipponaclera biwaensis* (Homoptera)

## PICEA:

- Laspeyresia strobilella* (Lepidoptera)

## PINUS:

- Callidus rufipenne* (Coleoptera)
- Coptotermes crassus* (Isoptera)
- Dichocrocis punctiferalis* (Lepidoptera)
- Euborellia plebeja* (Dermaptera)
- Heterotermes convexinotatus* (Isoptera)
- Laspeyresia strobilella* (Lepidoptera)
- Lepidosaphes pini* (Homoptera)
- Leucaspis lowi* (Homoptera)
- L. pusilla* (Homoptera)
- Matsucoccus matsumurae* (Homoptera)
- Plagionotus arcuatus* (Coleoptera)
- Pseudococcus pini* (Homoptera)

## PINUS (?):

- Ips typographus* (Coleoptera)

## PIPER:

- Protopulvinaria longivalvata* (Homoptera)

## PISTACIA:

- Chrysomphalus inopinatus* (Homoptera)
- Trogoderma granarium* (Coleoptera)

## PISUM:

- Ancylostomia stercorea* (Lepidoptera)
- Bruchus ervi* (Coleoptera)
- B. tristis* (Coleoptera)
- Forficula decipiens* (Dermaptera)
- Laspeyresia nigricana* (Lepidoptera)
- Trogoderma granarium* (Coleoptera)

## PITHECELLOBIUM:

- Cryptophlebia ombrodelta* (Lepidoptera)
- Dacus dorsalis* (Diptera)
- Stator limbatus* (Coleoptera)

## PLATANUS:

- Aspidiotus pyri* (Homoptera)

## PLUCHEA:

- Aceria pluchae* (Acarina)

## PLUMERIA:

- Conotelus mexicanus* (Coleoptera)
- Dialeurodes kirkaldyi* (Homoptera)
- Eobia bicolor* (Coleoptera)
- Haplothrips gowdeyi* (Thysanoptera)
- Pheidole megacephala* (Hymenoptera)
- Taeniothrips hawaiiensis* (Thysanoptera)

## POLIANTHES:

- Taeniothrips hawaiiensis* (Thysanoptera)

## POPULUS:

- Pemphigus populiramulorum* (Homoptera)

## PORTULACA:

- Conotelus mexicanus* (Coleoptera)
- Loxostege bifidalis* (Lepidoptera)
- Nysius raphanus* (Hemiptera)

## PROTEA:

- "Chionaspis" leucandendri* (Homoptera)
- Mesochelidura peringueyi* (Dermaptera)
- Pseudococcus gahani* (Homoptera)

## PRUNUS AMYGDALUS:

- Ectomyelois ceratoniae* (Lepidoptera)

## PRUNUS ARMENIACA:

- Ceratitis capitata* (Diptera)

## PRUNUS DOMESTICA:

- Geniocremnis chilensis* (Coleoptera)
- Lecanium persicae* (Homoptera)
- Micrapate scabrata* (Coleoptera)

## PRUNUS PERSICA:

- Adozophyes orana* (Lepidoptera)
- Ceratitis capitata* (Diptera)
- Pheidole megacephala* (Hymenoptera)

## PRUNUS PERSICA VAR. NECTARINA:

- Limothrips angulicornis* (Thysanoptera)

## PRUNUS SPINOSA:

- Rhynchites auratus* (Coleoptera)

## PRUNUS SP. (cherry):

- Ceratitis capitata* (Diptera)
- Rhagoletis cerasi* (Diptera)

## PRUNUS SP.:

- Lecanium corni* (Homoptera)
- Nilotaspis halli* (Homoptera)

## PSIDIUM:

- Aleuroglandulus emmae* (Homoptera)
- Anastrepha suspensa* (Diptera)
- Ceratitis capitata* (Diptera)
- Coccus viridis* (Homoptera)
- Dacus dorsalis* (?) (Diptera)
- Pseudococcus lilacinus* (Homoptera)

## PUERARIA:

- Callosobruchus ademptus* (Coleoptera)

## PUNICA:

- Anastrepha ludens* (Diptera)
- Cacaecimorpha pronubana* (Lepidoptera)
- Ceratitis capitata* (Diptera)
- Cryptoblabes gnidiella* (Lepidoptera)
- Ectomyelois ceratoniae* (Lepidoptera)
- Eurydema ornatum* (Hemiptera)

## PYRUS:

- Ceratitis capitata* (Diptera)
- Monomorium destructor* (Hymenoptera)

## QUERCUS:

- Aspidiotus zonatus* (Homoptera)

## RAPHANUS:

- Phytomyza rufipes* (Diptera)

## RHODODENDRON:

- Brevipalpus obovatus* (Acarina)
- Dialeurodes chittendeni* (Homoptera)
- Lepidosaphes tubulorum* (Homoptera)
- Pseudococcus azaleae* (Homoptera)
- Stephanitis pyrioides* (Hemiptera)

## RIBES:

- Ephestia calidella* (Lepidoptera)

## ROSA:

- Adozophyes orana* (Lepidoptera)
- Ardis sulcata* (Hymenoptera)
- Aspidiotus destructor* (Homoptera)
- Centrotus cornutus* (Homoptera)
- Cladius pectinicornis* (Hymenoptera)
- Endelomyia aethiops* (Hymenoptera)
- Frankliniella intonsa* (Thysanoptera)
- Lecanium corni* (Homoptera)
- Myzaphis bucktoni* (?) (Homoptera)
- Taeniothrips atratus* (Thysanoptera)
- T. ericae* (Thysanoptera)

## Hosts and Insects—Continued

## ROSA—Continued

- T. hawaiiensis* (Thysanoptera)
- Tetranychus cinnabarinus* (Acarina)
- Thrips flavus* (Thysanoptera)
- T. major* (Thysanoptera)

## ROSACEAE:

- Rhagoletis alternata* (?) (Diptera)

## RUBUS:

- Asterobemisia carpini* (Homoptera)

## RUTA:

- Brevipalpus obovatus* (Acarina)

## SACCHARUM:

- Chilo loftini* (Lepidoptera)
- Pheidole megacephala* (Hymenoptera)
- Pseudococcus boninensis* (Homoptera)
- Targionia glomerata* (Homoptera)
- "*Targionia*" *sacchari* (Homoptera)
- Trionymus sacchari* (Homoptera)

## SALIX:

- Leptidea brevipennis* (Coleoptera)

## SALVIA:

- Eurytoma infracta* (Hymenoptera)

## SAMANEA:

- Cryptophlebia ombrodelta* (Lepidoptera)
- Pheidole megacephala* (Hymenoptera)
- Stator limbatus* (Coleoptera)

## SCHINUS:

- Coccus viridis* (Homoptera)

## SCHOMBURGKIA:

- Chrysomphalus umboniferus* (Homoptera)
- Nasutitermes ephratae* (Isoptera)
- N. nigriceps* (Isoptera)
- Termes hispaniolae* (Isoptera)

## SCINDAPSUS:

- Pinnaspis buxi* (Homoptera)

## SECALE:

- Suidasia medanensis* (Acarina)
- Trogoderma granarium* (Coleoptera)

## SECIUM:

- Cacaemorphia pronubana* (Lepidoptera)

## SESAMUM:

- Phricodus hystrix* (Hemiptera)

## SESBANIA:

- Dacus dorsalis* (?) (Diptera)
- Maruca testulalis* (Lepidoptera)

## SIDEROXYLON:

- Anastrepha serpentina* (Diptera)

## SOIL:

- Bradybaena similaris* (Mollusca)
- Ceciloides acicula* (Mollusca)
- Cochlicella barbara* (Mollusca)
- Eremocoris plebejus* (Hemiptera)
- Forficula pubescens* (Dermaptera)
- Helicella striata* (Mollusca)
- H. variabilis* (Mollusca)
- Lamellaris gracilis* (Mollusca)
- Oulema melanopa* (Coleoptera)
- Pheidole megacephala* (Hymenoptera)
- Rumina decollata* (Mollusca)
- Thrips flavus* (Thysanoptera)

## SOLANUM ACULEATISSIMUM:

- Ceratitidis capitata* (Diptera)

## SOLANUM MELONGENA:

- Neoleucinodes elegantalis* (Lepidoptera)
- Udea ferrugalis* (Lepidoptera)

## SOLANUM QUITOENSE:

- Neoleucinodes elegantalis* (Lepidoptera)

## SORGHUM:

- Ostrinia nubilalis* (Lepidoptera)
- Sesamia cretica* (Lepidoptera)

## SPONDIAS:

- Anastrepha mombinpraeoptans* (Diptera)
- Chrysomphalus calurus* (Homoptera)

## STIPA:

- Macropylax fasciata* (Hemiptera)

## STRELITZIA:

- Diaspis zamiae* (Homoptera)
- Pentalonia nigronervosa* (Homoptera)

## STRONGYLODON:

- Taeniothrips hawaiiensis* (Thysanoptera)

## STRONGYLODON (?):

- Maruca testulalis* (Lepidoptera)

## SWIETENIA:

- Trogoxylon prostomoides* (Coleoptera)

## SYRINGA:

- Sitona lineata* (Coleoptera)

## TAMARINDUS:

- Caryedon gonagra* (Coleoptera)
- Cryptophlebia ombrodelta* (Lepidoptera)
- Ectomyelois ceratoniae* (Lepidoptera)

## TECOMARIA:

- Brevipalpus phoenicis* (Acarina)

## TERMINALIA:

- Anastrepha mombinpraeoptans* (Diptera)
- Ceratitidis capitata* (Diptera)
- Dacus dorsalis* (Diptera)
- Trogoderma granarium* (Coleoptera)

## TILLANDSIA:

- Exptochiamera oblonga* (Hemiptera)
- Leptodictya sinaloana* (Hemiptera)
- Podisus lineolatus* (Hemiptera)
- Ptilia versicolor* (Hymenoptera)

## TRICHOPILIA:

- Puto mericanus* (Homoptera)

## TRIGONIDIUM:

- Vinsonia stellifera* (Homoptera)

## TRITICUM:

- Trogoderma granarium* (Coleoptera)

## TROPAEOLUM:

- Cepaea hortensis* (?) (Mollusca)
- Helicella ericetorum* (Mollusca)

## TSUGA:

- Lamellaris gracilis* (Mollusca)

## VACCINIUM:

- Aspidiotus degeneratus* (Homoptera)

## VANDA:

- Bradybaena similis* (Mollusca)
- Conotelus mexicanus* (Coleoptera)
- Orchidophilus aterrimus* (Coleoptera)

## VANDOPSIS:

- Tenuipalpus pacificus* (Acarina)

## VICIA:

- Bruchus guttalis* (Coleoptera)
- B. tristis* (Coleoptera)
- Callosobruchus analis* (Coleoptera)
- Epinotia aporema* (Lepidoptera)
- Lampides boeticus* (Lepidoptera)

## VIGNA:

- Callosobruchus rhodesianus* (Coleoptera)

## VIOLA:

- Coptotermes niger* (Isoptera)

## VITIS:

- Aclerda fraterna* (Coleoptera)
- Brevipalpus chilensis* (Acarina)
- Ceratitidis capitata* (Diptera)
- Conoderus rufangulus* (Coleoptera)
- Leptoglossus chilensis* (Hemiptera)
- Lobesia botrana* (Lepidoptera)
- Naupactus xanthographus* (Coleoptera)
- Nezara viridula* (Hemiptera)
- Phlyctinus callosus* (Coleoptera)
- Targionia vitis* (Homoptera)
- Xiphistes furcicornis* (Homoptera)

## VRIESIA:

- Chrysomphalus personatus* (Homoptera)

## WISTERIA:

- Chionaspis wistariae* (Homoptera)

## YUCCA:

- Leptopharsa usingeri* (Hemiptera)

## ZANTEDESCHIA:

- Paraquito taraktogeni* (Homoptera)

## ZEA:

- Moodna bisinuella* (Lepidoptera)
- Nysius raphanus* (Hemiptera)
- Pagiocerus fiorii* (Coleoptera)
- Sesamia nonagrioides* (Lepidoptera)
- Zeadiatraea lineolata* (Lepidoptera)

## ZINGIBER:

- Pentalonia nigronervosa* (Homoptera)
- Pulvinaria urbicola* (?) (Homoptera)
- "*Targionia*" *hartii* (Homoptera)
- Trogoderma granarium* (Coleoptera)

## ZINNIA:

- Chirothrips meridionalis* (Thysanoptera)
- Haplothrips gowdeyi* (Thysanoptera)

## ZIZYPHUS:

- Ceratitidis capitata* (Diptera)



## Hosts Unknown

## AIRPLANE:

*Acanthoderes circumflexa* (Coleoptera)  
*Aethus indicus* (Hemiptera)  
*Allozaxis spinosus* (Coleoptera)  
*Anastrepha suspensa* (Diptera)  
*Ancognatha scarabaeoides* (Coleoptera)  
*Callipogon armillatum* (Coleoptera)  
*Cassida circumdata* (Coleoptera)  
*Ceratitis capitata* (Diptera)  
*Clanis phalaris* (Lepidoptera)  
*Engonon subcylindricus* (Coleoptera)  
*Eobia bicolor* (Coleoptera)  
*Euconocephalus platynotum* (Orthoptera)  
*Exitianus obscurinervis* (Homoptera)  
*Gynaikothrips ficorum* (Thysanoptera)  
*Hemiargus hanno* (Lepidoptera)  
*Leptocoriza varicornis* (Hemiptera)  
*Listronotus palustris* (Coleoptera)  
*Melolontha melolontha* (Coleoptera)  
*Metopoplar ditomoides* (Hemiptera)  
*Mimosestes sallaei* (Coleoptera)  
*Nasutitermes nigriceps* (Isoptera)  
*Nephotettix apicalis* (Homoptera)  
*Nysius delectulus* (Hemiptera)  
*N. tenellus* (Hemiptera)  
*Oenopiella unidentata* (Hemiptera)  
*Orphulella punctata* (Orthoptera)  
*Otosema odorata* (Lepidoptera)  
*Orycopis vittata* (Coleoptera)  
*Parozaxis antillarum* (Coleoptera)  
*Pelopidas mathias oberthuri* (Lepidoptera)  
*Phaneroptera furcifera* (Orthoptera)  
*Phurys immunis* (Lepidoptera)  
*Popillia lewisi* (Coleoptera)  
*Rehimena phrynealis* (Lepidoptera)  
*Sardia pluto* (Homoptera)  
*Schoenobius incertulus* (Lepidoptera)  
*Sessinia livida* (Coleoptera)  
*Sinoxylon conigerum* (Coleoptera)  
*Stromatium longicorne* (Coleoptera)  
*Synnyris diffundens* (Lepidoptera)  
*Thaumatomyia notata flavifrons* (Diptera)  
*Xylomeira torquata* (Coleoptera)  
*Xylopsocus castanoptera* (Coleoptera)

## AUTOMOBILE:

*Bradysia carbonaria* (Diptera)  
*Iphiclydes protestilus* (Lepidoptera)  
*Onthophagus taurus* (Coleoptera)

## BAGGAGE:

*Achatina fulica* (Mollusca)  
*Ascia monuste* (Lepidoptera)  
*Callidium rufipenne* (Coleoptera)  
*Dacus oleae* (Diptera)  
*Elimaea punctifera* (Orthoptera)  
*Eobia bicolor* (Coleoptera)  
*Geotomus pygmaeus* (Hemiptera)  
*Helix aspersa* (Mollusca)  
*H. pomatia* (Mollusca)  
*Homoeogrillus japonicus* (Orthoptera)  
*Jadera haematoloma* (Hemiptera)  
*Lyctus linearis* (Coleoptera)  
*Ozaxis xerensis* (Coleoptera)  
*Patanga japonica* (Orthoptera)  
*Philaspis bivulnerata* (Coleoptera)  
*Sybra alternans* (Coleoptera)  
*Tropidacris latreillei* (Orthoptera)

## BAGGING:

*Sitona hispidula* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## CARDBOARD:

*Heterotermes convexinotatus* (Isoptera)

## CARGO:

*Dysdercus bidentatus* (Hemiptera)  
*D. mimus* (Hemiptera)  
*D. ruficollis* (Hemiptera)  
*Maruca testulalis* (Lepidoptera)  
*Neoleucinodes elegantalis* (Lepidoptera)

## CONIFER:

*Pityogenes chalcographus* (Coleoptera)

## DEBRIS:

*Pheidole megacephala* (Hymenoptera)  
*Sitona hispidula* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)  
*Xylobius sextuberculatus* (Coleoptera)

## FERN:

*Pentalonia nigronervosa* (Homoptera)

## FLOWERS:

*Achaea janata* (Lepidoptera)  
*Anuraphis cardui* (Homoptera)  
*Bradybaena similis* (Mollusca)  
*Cryptotermes brevis* (Isoptera)  
*Eobia bicolor* (Coleoptera)  
*Exitianus obscurinervis* (Homoptera)  
*Forficula senegalensis* (Dermaptera)  
*Frankliniella intonsa* (Thysanoptera)  
*Haplothrips cottei* (Thysanoptera)  
*H. gowdeyi* (Thysanoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*T. dianthi* (Thysanoptera)  
*T. hawaiiensis* (Thysanoptera)  
*Thrips flarus* (Thysanoptera)  
*T. imuginis* (Thysanoptera)  
*T. major* (Thysanoptera)

## FOOD:

*Pheidole megacephala* (Hymenoptera)  
*Trogoderma granarium* (Coleoptera)

## FRUIT—UNIDENTIFIED:

*Diaspis zamiae* (Homoptera)  
*Monomorium destructor* (Hymenoptera)

## GRASS:

*Monomorium destructor* (Hymenoptera)

## GUM:

*Lyctus linearis* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## HERBS:

*Monomorium destructor* (Hymenoptera)  
*Sterrha iniquinata* (Lepidoptera)

## KARAYA GUM:

*Trogoderma granarium* (Coleoptera)

## LEAF—UNIDENTIFIED:

*Protopulvinaria longivalvata* (Homoptera)  
*Sitona lineata* (Coleoptera)  
*Toxoptera citricidus* (Homoptera)

## LEGUME:

*Mimosestes sallaei* (Coleoptera)  
*Stator limbatus* (Coleoptera)

## LOG:

*Opogona sacchari* (Lepidoptera)

## MAIL:

*Achatina fulica* (Mollusca)  
*Cryptotermes brevis* (Isoptera)  
*Dacus dorsalis* (Diptera)  
*Eobia bicolor* (Coleoptera)  
*Kaloterms immigrans* (Isoptera)  
*Monomorium destructor* (Hymenoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Sinoxylon conigerum* (Coleoptera)

## MILITARY CARGO:

*Cochlicella barbara* (Mollusca)  
*C. conoidea* (Mollusca)  
*C. ventrosa* (Mollusca)  
*Cryptothelaea minuscula* (Lepidoptera)  
*Helicella caperata* (Mollusca)  
*H. conspurcata* (Mollusca)  
*H. derbentina* (Mollusca)  
*H. itala* (Mollusca)  
*H. maritima* (Mollusca)  
*H. neglecta* (Mollusca)  
*H. pyramidata* (Mollusca)  
*H. striata* (Mollusca)  
*H. variabilis* (Mollusca)  
*Helix aspersa* (Mollusca)  
*Monacha cantiana* (Mollusca)  
*M. carthusiana* (Mollusca)  
*Nezara viridula* (Hemiptera)  
*Ostrinia nubilalis* (Lepidoptera)  
*Otala lactea* (Mollusca)  
*O. vermiculata* (Mollusca)  
*Oxychilus draparnaldi* (Mollusca)  
*Pieris brassicae* (Lepidoptera)  
*Rhaphogaster nebulosa* (Coleoptera)  
*Theba pisana* (Mollusca)

## MOLLUSK:

*Theba pisana* (Mollusca)

## PACKING:

*Callidium rufipenne* (Coleoptera)

## PLANTS—UNIDENTIFIED:

*Ceutorhynchus erysimi* (Coleoptera)  
*Oulema melanopa* (Coleoptera)  
*Haplothrips aculeatus* (Thysanoptera)  
*Limothrips denticornis* (Thysanoptera)

*Hosts Unknown—Continued*

## PLANTS—UNIDENTIFIED—Continued

*Lygus lucorum* (Hemiptera)  
*Monacha cantiana* (Mollusca)  
*Morganella longispina* (Homoptera)  
*Nysius raphanus* (Hemiptera)  
*Pheidole megacephala* (Hymenoptera)  
*Sitona lineata* (Coleoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)  
*Veronicella moreleti* (?) (Mollusca)

## PLANT MATERIAL:

*Diploptera punctata* (Orthoptera)

## QUARTERS:

*Augocoris illustris* (Hemiptera)  
*Lobesia botrana* (?) (Lepidoptera)  
*Monomorium destructor* (Hymenoptera)  
*Phoebolampta excellens* (Orthoptera)  
*Porphyrobaphe iostoma* (Mollusca)  
*Syneda confirmans* (Lepidoptera)  
*Theba pisana* (Mollusca)  
*Trogoderma granarium* (Coleoptera)  
*Tropidacris latreillei* (Orthoptera)

## RAILWAY CAR:

*Tenuirostritermes cinereus* (Isoptera)

## SEED:

*Caryedon gonagra* (Coleoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Megacerus alternatus* (Coleoptera)  
*Mimosestes sallaei* (Coleoptera)  
*Puto barberi* (Homoptera)

## STONE:

*Achatina fulica* (Mollusca)

## STORES:

*Callosobruchus analis* (Coleoptera)  
*Helicella maritima* (Mollusca)  
*Helix aspersa* (Mollusca)  
*H. pomatia* (Mollusca)  
*Myzus ascalonicus* (Homoptera)  
*Systole albipennis* (Hymenoptera)  
*Trogoderma granarium* (Coleoptera)

## STRAW:

*Bruchus guttalis* (Coleoptera)  
*Zetha charesi* (Orthoptera)

## WATERLILY:

*Pheidole megacephala* (Hymenoptera)

## WOOD:

*Anoplotermes ater* (Isoptera)  
*Bostrychoplites cornutus* (Coleoptera)  
*Brevipalpus phoenicis* (Acarina)  
*Callidium violaceum* (Coleoptera)  
*Heterobostrychus aequalis* (Coleoptera)  
*Lyctus africanus* (Coleoptera)  
*L. brunneus* (Coleoptera)  
*Micrapate labialis* (Coleoptera)  
*Minthea rugicollis* (Coleoptera)  
*Molorchus minor* (Coleoptera)  
*Nasutitermes corniger* (Isoptera)  
*N. costalis* (Isoptera)  
*Procryptotermes hubbardi* (Isoptera)  
*Reticulitermes speratus* (Isoptera)  
*Sinoxylon anale* (Coleoptera)  
*S. conigerum* (Coleoptera)  
*S. ruficorne* (Coleoptera)  
*Taeniothrips vitticornis* (Thysanoptera)  
*Tetrapriocera longicornis* (Coleoptera)  
*Trogorylon aequale* (Coleoptera)

## Countries of Origin and Insects

- AFRICA (country(?)):  
*Ectomyelois ceratoniae*  
*Opogona sacchari*
- ALGERIA:  
*Parlatoria zizyphus*
- AMERICAN SAMOA:  
*Aceria hibisci*  
*Aspidiotus pangoniensis*  
*Lyctus brunneus*
- AMERICAN VIRGIN ISLANDS:  
*Anastrepha mombinpraeoptans*  
*Vinsonia stellifera*
- ANGOLA:  
*Sinozylon ruficorne*
- ANGUILLA:  
 "Targionia" hartii
- ANTIGUA:  
*Allozaxis spinosus*  
*Vinsonia stellifera*
- ARGENTINA:  
*Aceria tulipae*  
*Aonidiella citrina*  
*Brevipalpus obovatus*  
*B. phoenicis*  
*Ceratitidis capitata*  
*Frankliniella paucispinosa*  
*Lorryia formosa*  
*Parlatoria cinerea*  
*Pseudoaonidia trilobitiformis*  
*Tetranychus cinnabarinus*
- ARGENTINA (?):  
*Oenopiella unidentata*
- AUSTRALIA:  
*Aonidiella citrina*  
*Aspidiotus herculeanus*  
*Dinopsis za miae*  
*Epilachna 28-punctata*  
*Lepidosaphes tuberculata*  
*Pseudococcus boninsis*  
*Taeniothrips hawaiiensis*  
*Thrips imaginis*  
*Thysanococcus chinensis*
- AUSTRALIA (?):  
*Parlatoria cinerea*
- AUSTRIA:  
*Grapholitha janthiana* (?)  
*Leucaspis lowi*
- AUSTRIA (?):  
*Dacus oleae*
- AZORES:  
*Bruchus tristictulus*  
*Ceratitidis capitata*  
*Cochlicella ventrosa*  
*Eriococcus araucariae*  
*Helicella conspurcata*  
*Limax marginatus*  
*Pieris brassicae*  
*Thrips major*  
*Zetha chavesi*
- BAHAMAS:  
*Ancylostomia stercorea*  
*Aspidiotus destructor*  
*Pheidole megacephala*  
*Phytomyza atricornis*  
*Pseudococcus boninsis*  
*Synedra confirmans*  
*Vinsonia stellifera*
- BARBADOS:  
*Coccus viridis*  
 "Targionia" sacchari  
*Trionymus sacchari*
- BELGIUM:  
*Bruchus tristictulus*  
*Helix aspersa*  
*Lecanium coryli*  
*Phytomyza rufipes*  
*Pityogenes chalcographus*
- BERMUDA:  
*Anuraphis apifoliae* (?)  
*Bradybaena similis*  
*Cochlicella ventrosa*  
*Conotelus mexicanus*  
*Cryptoblabes gidiella*  
*Eriococcus araucariae*  
*Haplothrips gowdeyi*
- Morganella longispina*  
*Pheidole megacephala*  
*Taeniothrips gracilis*
- BRAZIL:  
*Amitermes foreli*  
*Asterolecanium epidendri*  
*Azochis gripusalis*  
*Brevipalpus phoenicis*  
*Ceratitidis capitata*  
*Chrysomphalus personatus*  
*C. umboniferus*  
*Coccotrypes carpophagus*  
*Coccus alpinus*  
*C. viridis*  
*Coptotermes niger*  
*C. testaceus*  
*Euscepes postfasciatus*  
*Heterotermes convezinotatus*  
*Iridomyrmex leucomelas*  
*Lyctus brunneus*  
*Maruca testulalis*  
*Megastis grandalis*  
*Minthea rugicollis*  
*Nasutitermes corniger*  
*N. nigriceps*  
*Neoleucinodes elegantalis*  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Phridole megacephala*  
*Pseudoaonidia trilobitiformis*  
*Pseudoparlatoria ostreata*  
*Stenomoma catenifer*  
*Stephanoderes hampei*  
*Subulitermes microsema*  
*Unaspis citri*
- BRAZIL (?):  
*Cerconota anonella*
- BRITISH GUIANA:  
*Asterolecanium epidendri*  
*Microcerotermes exiguus*  
*Paragonatus divergens*  
*Platypus rugulosus*  
*Vinsonia stellifera*
- BRITISH HONDURAS:  
*Chrysomphalus umboniferus*  
*Euscepes porcellus*  
*Nasutitermes ephratae*  
*N. nigriceps*  
*Nudur fractivittarum*  
*Pheidole megacephala*  
*Pseudoschnaspis alienus*  
*Tenthercoris bicolor*  
*T. confusus*  
*Vinsonia stellifera*
- BRITISH WEST AFRICA:  
*Earias cupreoviridis*
- BRITISH WEST INDIES:  
*Ancylostomia stercorea*  
*Nysius tenellus*
- BULGARIA:  
*Ephestia calidella*  
*Phorodon menthae*
- BURMA:  
*Callosobruchus analis*
- CAMEROUN:  
*Parlatoria zizyphus*
- CANADA:  
*Taeniothrips atratus*
- CANAL ZONE:  
*Andrector salvinii*  
*Ceciloides acicula*  
*Chrysomphalus umboniferus*  
*Cocconotus degeeri*  
*Conchaspis orchidarum*  
*Pentalonia nigronervosa*  
*Pheidole megacephala*  
*Pseudoschnaspis alienus*  
*Valtissius diversus*  
*Vinsonia stellifera*
- CANARY ISLANDS:  
*Dactyloctenium aegyptium*
- CANTON ISLAND:  
*Sessinia livida*
- CAPE VERDE ISLANDS:  
*Caryedon gonagra*



## Countries of Origin and Insects—Continued

## CEYLON:

*Taeniothrips hawaiiensis*  
*Trogoderma granarium*

## CHILE:

*Aclerda fraterna*  
*Brevipalpus chilensis*  
*Conoderus rufangulus*  
*Geniocremnis chilensis*  
*Lecanium persicae*  
*Leptoglossus chilensis*  
*Limothrips angulicornis*  
*Micrapate scabrata*  
*Naupactus xanthographus*  
*Nezara viridula*  
*Pseudococcus gahani*

## CHINA:

*Palpifer sernotatus* (?)  
*Parlatoria zizyphus*  
*Trogoderma granarium*

## CHRISTMAS ISLAND:

*Eobia bicolor*  
*Pseudococcus cocotris*  
*Sessinia livida*

## COLOMBIA:

*Anastrepha mombinpraeoptans*  
*Ancylostomia stercora*  
*Anoplotermes ater*  
*Bephrata maculicollis*  
*Brevipalpus phoenicis*  
*Cerconota anonella*  
*Chrysomphalus umboniferus*  
*Cyrtomeneus bergi*  
*Eurytoma orchidearum*  
*Jadera haematoloma*  
*Lincus rufospilotus*  
*Nasutitermes corniger*  
*Puto barberi*  
*Stenoma catenifer*

## COSTA RICA:

*Anastrepha mombinpraeoptans*  
*Aspidiotus destructor*  
*A. palmae*  
*Asterolecanium epidendri*  
*Auximobasis coffeella*  
*Ceratitis capitata*  
*Chrysomphalus albopictus*  
*Coptotermes niger*  
*Corimelaena palmeri*  
*Dysdercus minus*  
*Eurytoma orchidearum*  
*Metamasius hemipterus sericeus*  
*Neolobophora ruficeps*  
*Pseudischinaspis alienus*  
*P. longissima*  
*Veronicella moreleti* (?)  
*Vinsonia stellifera*

## CUBA:

*Anastrepha mombinpraeoptans*  
*Aonidiella comperei*  
*Ascia monuste*  
*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Augocoris illustris*  
*Coccus viridis*  
*Cylas formicarius elegantulus*  
*Dialeurodes citrifolii*  
*Gnorimoschema gudmannella*  
*Gynaikothrips ficorum*  
*Hedylepta indicata*  
*Heterobostrychus aequalis*  
*Leucoptera coffeella*  
*Pectinophora gossypiella*  
*Pentalonia nigronervosa*  
*Pheidole megacephala*  
*Phyllophaga analis*  
*Pinaspis buzi*  
*Protopulvinaria pyriformis*  
*Ribua innoxia*  
"Targionia" hartii  
"Targionia" sacchari  
*Tetrapirocerca longicornis*  
*Trionymus sacchari*  
*Unaspis citri*  
*Vinsonia stellifera*

## CURACAO:

*Caryedon gonagra*

## CYPRUS:

*Ceratitis capitata*  
*Dacus oleae*

## CZECHOSLOVAKIA:

*Cecilioides acicula*  
*Rhagoletis cerasi*

## DENMARK:

*Frankliniella intonsa*  
*Rhagoletis cerasi*  
*Thrips flavus*  
*T. major*

## DOMINICA:

*Euborellia stali*  
*Vinsonia stellifera*

## DOMINICAN REPUBLIC:

*Aganactesis indecora*  
*Anastrepha mombinpraeoptans*  
*Ancylostomia stercora*  
*Cylas formicarius elegantulus*  
*Nasutitermes ephratae*  
*Orphulella punctata*  
*Pectinophora gossypiella*  
*Phyrrus immuns*  
*Polyancistrus serrulatus*  
*Ribua innoxia*  
"Targionia" hartii  
*Vinsonia stellifera*

## ECUADOR:

*Aceria tulipae*  
*Ceramidia viridis*  
*Dysdercus bidentatus*  
*D. minus*  
*D. ruficollis*  
*Epilachna borealis* var.  
*Epinotia aporema*  
*Euglandina striata*  
*Metamasius hemipterus sericeus*  
*Parlatoria cinerea*  
*Pentalonia nigronervosa*  
*Porphyrobaphis iostoma*  
*Solaropsis monile*  
*Stenoma catenifer*  
*Vinsonia stellifera*

## EL SALVADOR:

*Anastrepha mombinpraeoptans*  
*Aulacaspis tubercularis*  
*Chrysomphalus personatus*  
*C. umboniferus*  
*Eurytoma orchidearum*  
*Stenoma catenifer*  
*Tenthetocoris confusus*

## ENGLAND:

*Cladius pectinicornis*  
*Frankliniella intonsa*  
*Laspeyresia strobilella*  
*Lyctus africanus*  
*Mamestra brassicae*  
*Minthea rugicollis*  
*Phorodon menthae*  
*Phytomyza rufipes*  
*Sinorylon conigerum*  
*Stenotarsonemus laticeps*  
*Systole albipennis*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips angusticeps*  
*T. major*  
*Trogoderma granarium*

## ETHIOPIA:

*Odonaspis ruthae*

## FEDERATION OF MALAYA:

*Dichocrocis punctiferalis*  
"Targionia" hartii  
*Trogoderma granarium*

## FEDERATION OF RHODESIA AND

NYASALAND:  
*Specularius erythrinae*

## FIJI:

*Pheidole megacephala*  
"Targionia" hartii

## FIJI (?):

*Dacus dorsalis*

## Countries of Origin and Insects—Continued

## FINLAND:

*Eriophyes leionotus*

## FORMOSA:

*Chilo suppressalis*  
*Parlatoria cinerea*  
*P. zizyphus*  
*Pinnaspis theae*  
*Taeniothrips gracilis*  
*Trogoderma granarium*

## FRANCE:

*Acrolepia assectella*  
*Asterobemisia carpini*  
*Athalia colibri*  
*Bemisia citricola*  
*Bruchus emarginatus*  
*B. signaticornis*  
*Centrotus cornutus*  
*Chrysomphalus personatus*  
*Cladius pectinicornis*  
*Cochlicella barbara*  
*Diaspis zamiae*  
*Epidiaspis piricola*  
*Forficula senegalensis*  
*Frankliniella intonsa*  
*Helicella conspurcata*  
*H. maritima*  
*H. striata*  
*H. variabilis*  
*Helix aspersa*  
*Lecanium corni*  
*Mamestra brassicae*  
*Melolontha melolontha*  
*Monacha cantiana*  
*Myzaphis bucktoni* (?)  
*Orychilus draparnaldi*  
*Periphyllus aceris*  
*Phytomyza atricornis*  
*Rhagoletis cerasi*  
*Suidasia medanensis*  
*Taphropeltus contractus*  
*Theba pisana*  
*Thrips flavus*  
*T. major*  
*Trogoderma granarium*  
*Tyrophagus oudemansi*

## FRANCE (?):

*Leptidea brevipennis*  
*Megastigmus suspectus pinsapinis*

## GAMBIA:

*Parlatoria zizyphus*

## GERMANY:

*Aphis callunae*  
*Arge ochropa*  
*Asterolecanium epidendri*  
*Bruchus lentis*  
*Cladius pectinicornis*  
*Dasyneura inclusa*  
*Euleia heraclei*  
*Frankliniella intonsa*  
*Helix aperta*  
*Laspeyresia splendana*  
*L. strobilella*  
*Mamestra brassicae*  
*Monacha cantiana*  
*Myzus ascalonicus*  
*Oulema melanopa*  
*Phytomyza rufipes*  
*Pityogenes chalcographus*  
*Rhagoletis cerasi*  
*Rhyparochromus pini*  
*Sitona hispidula*  
*Taeniothrips atratus*  
*T. dianthi*  
*Tetranychus viennensis*  
*Thrips flavus*  
*T. major*  
*Trogoderma granarium*  
*Tyrophagus oudemansi*

## GRAND CAYMAN:

*Dysdercus andreae*  
*Pectinophora gossypiella*  
*Termes hispaniolae*

## GREECE:

*Aspidiotus pyri*  
*Bruchus ervi*  
*B. lentis*

*B. tristis*  
*Calameuta idolon*  
*Ceratitidis capitata*  
*Chrysomphalus inopinatus*  
*Cryptoblabes gnidiella*  
*Dacus oleae*  
*Ectomyelois ceratoniae*  
*Ephestia calidella*  
*Haplothrips cottei*  
*Helicella pyramidata*  
*H. striata*  
*Helix aperta*  
*Leucaspis pusilla*  
*Pieris brassicae*  
*Rhagoletis cerasi*  
*Stephanitis pyri*  
*Trogoderma granarium*

## GUAM:

*Achatina fulica*  
*Dacus dorsalis*  
*Phaneroptera furcifera*  
*Sternonchetus mangiferae*

## GUAM (?):

*Furcaspis oceanica*

## GUATEMALA:

*Anastrepha ludens*  
*A. mombin praeoptans*  
*Aspidiotus mendax*  
*A. palmae*  
*Automolis atania*  
*Chrysogramma octomaculata*  
*Chrysomphalus umboniferus*  
*Farinococcus guatemalensis*  
*Gnorimoschema gudmannella*  
*Iridomyza iniquus*  
*Leucoptera coffeella*  
*Platoceticus symmetrica*  
*Protopulvinaria longivalvata*  
*Pseudischinaspis alienus*  
*Puto ulter*  
*Stenoma catenifer*  
*Valtissius diversus*

## HAITI:

*Aceria pluchaeae*  
*Anastrepha mombin praeoptans*  
*Ancylostoma stercorea*  
*Brevipalpus phoenicis*  
*Bruchus guttalis*  
*Ecpantheria icasia*  
*Heterotermes cardini*  
*H. convexinotatus*  
*Leucoptera coffeella*  
*Neoleucinodes elegantalis*  
*Neotermes castaneus*  
*Pectinophora gossypiella*  
*Phoebolampta excellens*  
*Trogosylon prostomoides*  
*Unaspis citri*  
*Vinsonia stellifera*

## HAWAII:

*Achaea janata*  
*Achatina fulica*  
*Adoretus sinicus*  
*Antonina graminis*  
*Aulacaspis crawii*  
*Blastobasis inana*  
*Bradybaena similaris*  
*Brevipalpus phoenicis*  
*Caryedon gonagra*  
*Ceratitidis capitata*  
*Ceresium unicolor*  
*Cero-plastes rubens*  
*Coccus viridis*  
*Conotelus mexicanus*  
*Cryptophlebia illepidata*  
*C. ombrodelta*  
*Cryptotermes brevis*  
*Dacus cucurbitae*  
*D. dorsalis*  
*Dialeurodes kirkaldyi*  
*Diocalandra taitensis*  
*Diploptera punctata*  
*Ectomyelois ceratoniae*  
*Elimaea punctifera*  
*Eobia bicolor*

## Countries of Origin and Insects—Continued

## HAWAII—Continued

*Frankliniella sulphurea* (?)  
*Geotomus pygmaeus*  
*Graptostethus manillensis*  
*Haplothrips gowdeyi*  
*Kaloterms immigrans*  
*Lampides boeticus*  
*Lepidosaphes tokionis*  
*Maruca testulalis*  
*Megacerus alternatus*  
*Mimosestes sallaei*  
*Monomorium destructor*  
*Morganella longispina*  
*Neophyllaphis araucariae*  
*Nysius delectulus*  
*Orchidophilus aterrimus*  
*Parlatoria crotonis*  
*Pealius hibisci*  
*Pectinophora gossypiella*  
*Pentalonia nigronervosa*  
*Perkinsiella saccharicida*  
*Pheidole megacephala*  
*Pinnaspis buxi*  
*Praeaccedes thecophora*  
*Pseudaonidia clavigera*  
*Pseudococcus giffardi*  
*P. mali*  
*P. palmarum*  
*"Pseudoparlatoria" giffardi*  
*Pulvinaria psidii*  
*P. urbicola* (?)  
*Selenothrips rubrocinctus*  
*Sinozylon conigerum*  
*Siphanta acuta*  
*Stator limbatus*  
*S. pruinatus*  
*Sternochetus mangiferae*  
*Sybra alternans*  
*Taeniothrips hawaiiensis*  
*T. vitticornis*  
*Tetranychus neocalidonicus*  
*Toxoptera citricidus*  
*Trionymus sacchari*  
*Tyrophagus tropicus*  
*Xiphidiopsis lita*

## HONDURAS:

*Anastrepha mombinpraeoptans*  
*Aspidiotus destructor*  
*Aulacaspis tubercularis*  
*Coptotermes crassus*  
*Dysdercus mimus*  
*D. suterellus* (?)  
*Heterotermes convexinotatus*  
*Nasutitermes corniger*  
*Pheidole megacephala*  
*Pseudischnaspis alienus*  
*Stenoma catenifer*  
*Vinsonia stellifera*  
*Zeadiatraea lineolata*

## HONG KONG:

*Cylas formicarius*  
*C. formicarius elegantulus*  
*C. formicarius formicarius*  
*Parlatoria zizyphus*  
*Pectinophora gossypiella*  
*Trogoderma granarium*

## HUNGARY:

*Frankliniella intonsa*  
*Rhagoletis cerasi*  
*Taeniothrips atratus*  
*T. dianthi*  
*Thrips flavus*

## INDIA:

*Callosobruchus analis*  
*Dinoderus brevis*  
*Heterobostrychus aequalis*  
*Lyctus africanus*  
*L. linearis*  
*Minthea rugicollis*  
*Monomorium destructor*  
*Paraputo taraktogeni*  
*Parlatoria cinerea*  
*P. crypta*  
*Pectinophora gossypiella*  
*Sinozylon anale*  
*S. conigerum*

*Sternochetus mangiferae*  
*Targionia glomerata*  
*Trogoderma granarium*

## INDONESIA:

*Aspidiotus destructor*  
*Monomorium destructor*

## IRAN:

*Aceria macrorhynchus*  
*Bruchus eri*  
*Ceratitidis capitata*  
*Nilotaspis halli*

## IRAQ:

*Trogoderma granarium*

## IRELAND:

*Bradysia carbonaria*  
*Stenotarsonemus laticeps*  
*Thrips flavus*

## ISRAEL:

*Aonidiella citrina*  
*Ceratitidis capitata*  
*Chirothrips meridionalis*  
*Chrysomphalus inopinatius*  
*Cryptoblabes gnidiella*  
*Ectomyelois ceratoniae*  
*Eurydema ornatum*  
*Haplothrips gowdeyi*  
*Parlatoria zizyphus*  
*Prodenia litura*

## ISRAEL (?) :

*Rhagoletis cerasi*

## ITALY:

*Acrolepia assectella*  
*Anuraphis apifoliae* (?)  
*A. cardui*  
*Apion carduorum*  
*Ardis sulcata*  
*Bruchus eri*  
*B. lentis*  
*B. signaticornis*  
*B. tristis*  
*Cacaecimorpha pronubana*  
*Ceratitidis capitata*  
*Ceroplastes rusci*  
*Cochlicella barbara*  
*C. ventrosa*  
*Cryptoblabes gnidiella*  
*Dacus oleae*  
*Diaspis minima*  
*D. zoniae*  
*Dicyphus annulatus*  
*Drasterius bimaculatus*  
*Dyspessa ulula*  
*Ectomyelois ceratoniae*  
*Endelomyia aethiops*  
*Eurytoma infracta*  
*Euscelis plebejus*  
*Forficula decipiens*  
*F. pubescens*  
*Gnorimoschema ocellatella*  
*Gortyna flabago*  
*Helicella caperata*  
*H. conspurcata*  
*H. itala*  
*H. maritima*  
*H. striata*  
*Helix aperta*  
*H. aspersa*  
*H. pomatia*  
*Hemimene juliana*  
*Laspeyresia nigricana*  
*L. splendana*  
*Lepidosaphes ficus*  
*Limax marginatus*  
*L. maximus*  
*Lobesia botrana*  
*Macropylax fasciata*  
*Mamestra brassicae*  
*Monacha cantiana*  
*M. carthusiana*  
*Ostrinia nubilalis*  
*Otala lactea*  
*O. vermiculata*  
*Orychilus alliarius*  
*Parlatoria zizyphus*  
*Pectinophora gossypiella*



## Countries of Origin and Insects—Continued

## ITALY—Continued

*Phalonia zephyrana*  
*Pieris brassicae*  
*Prays oleellus*  
*Rhagoletis alternata* (?)  
*R. cerasi*  
*Rumina decollata*  
*Sesamia cretica*  
*Sparteus villosus*  
*Sterrhia inquinata*  
*Targionia vitis*  
*Tetranychus cinnabarinus*  
*T. ludeni*  
*Theba pisana*  
*Thrips major*  
*Trogoderma granarium*  
*Udea ferrugalis*

## ITALY (?):

*Brevipalpus obovatus*

## JAMAICA:

*Acanthoderes circumflexa*  
*Aganactesis indecora*  
*Aleurocanthus woglumi*  
*Anastrepha mombinpraeoptans*  
*Ancylostomia stercorea*  
*Asterolecanium epidendri*  
*A. simile*  
*Cerconota anonella*  
*Ectomyelois ceratoniae*  
*Epinotia aporema*  
*Eutetranychus banksi*  
*Lamellaxis gracilis*  
*Mimosestes sallaei*  
*Palaeopus costicollis*  
*Pectinophora gossypiella*  
*Pentalonia nigronervosa*  
*Pseudaonidia trilobitiformis*  
*Pseudischinaspis bowreyi*  
*Vinsonia stellifera*

## JAPAN:

*Acronicta rumicis*  
*Aethus indicus*  
*Aleurocanthus spiniferus*  
*Aleurolobus marlattii*  
*Aleurotrachelus camelliae*  
*Aleurotuberculatus aucubae*  
*Aonidiella citrina*  
*Aspidiotus degeneratus*  
*Brevipalpus obovatus*  
*Bryobia ehari*  
*Callidium rufipenne*  
*Carposina niponensis*  
*Ceronema japonica*  
*Chilo suppressalis*  
*Chionaspis wistariae*  
*Clanis phalaris*  
*Cryptotermes brevis*  
*Dialeurodes tristylis*  
*Dichocrocis punctiferalis*  
*Euborellia plebeja*  
*Euchocephalus platynotus*  
*Fiorinia proboscidea*  
*Frankliniella formosae*  
*F. liliivora*  
*Homoeoyllus japonicus*  
*Lamellaxis gracilis*  
*Lecanium corni*  
*Lepidosaphes conchiformis*  
*L. kuwacola*  
*L. newsteadii*  
*L. pini*  
*L. tubulorum*  
*L. yanagicola*  
*Macrosiphum formosanum*  
*Mamestra brassicae*  
*Maruca testulalis*  
*Matsucoccus matsumurae*  
*Matsumuraeae phaseoli*  
*Megastigmus cryptomeriae*  
*Morganella longispina*  
*Nipponaclerda biwakoensis*  
*Ostrinia nubilalis*  
*Parlatoria zizyphus*  
*Patanga japonica*  
*Pentamerismus oregonensis*  
*Pinnaspis buxi*

*Pseudococcus azaleae*  
*P. citriculus*  
*P. pini*  
*Pulvinaria aurantii*  
*Reticulitermes speratus*  
*Sesamia inferens*  
*Stephanitis pyrioides*  
*Taeniothrips distalis*  
*T. gracilis*  
*Tenuipalpus japonicus*  
*Tetranychus viennensis*  
*Thrips flavus*  
*Trogoderma granarium*  
*Unaspis citri*  
*U. yanonensis*

## JAPAN (?):

*Caryedon gonagra*  
*Nephotettix apicalis*  
*Pelopidas mathias oberthuri*  
*Xylopsocus castanoptera*

## KENYA:

*Caryedon gonagra*  
*Chrysomphalus opimus* (tentative)  
*Vinsonia stellifera*

## KOREA:

*Callosobruchus ademptus*  
*Frankliniella formosae*  
*Trogoderma granarium*

## KUWAIT:

*Trogoderma granarium*

## KWAJALEIN:

*Furcaspis oceanica*

## LEBANON:

*Aonidiella citrina*  
*Bruchus ervi*  
*Ceratitis capitata*  
*Chrysomphalus inopinatus*  
*Dacus oleae*  
*Lobesia botrana*

## LIBERIA:

*Parlatoria zizyphus*

## LIBYA:

*Helicella conspurcata*

*Theba pisana*

## MADEIRA ISLANDS:

*Coccus viridis*

## MARTINIQUE:

*Heterotermes converzinotatus*

## MEXICO:

*Aegiale hesperiaris*  
*Agroiconota propinqua*  
*Aleurocanthus woglumi*  
*Aleuroglandulus emmae*  
*Alpheias conspurcata*  
*Amitermes wheeleri*  
*Anastrepha ludens*  
*A. mombinpraeoptans*  
*A. serpentina*  
*Arphnus melanotylus*  
*Aspidiotus destructor*  
*A. palmarum*  
*Asterolecanium inlabefactum*  
*A. miliaris robustum*  
*Aulacoscelis melanocera*  
*Batrachedra linaria*  
*Brevipalpus obovatus*  
*Calyptoccephala marginipennis*  
*Camirus moestus*  
*Caryedon gonagra*  
*Cecilioides acicula*  
*Charidotis seminulum*  
*Chilo loftini*  
*Chrysomphalus agavis*  
*C. albopictus*  
*C. personatus*  
*C. sphaerioides*  
*C. tenax*  
*C. umboniferus*  
*Conotelus mexicanus*  
*Corythucha mcelfreshi*  
*Cryptophlebia ombrodelta*  
*Deloyala guttata*  
*Diorymerellus laevimargo*  
*Ectomyelois muricis*  
*Everes comyntas*

## Countries of Origin and Insects—Continued

## MEXICO—Continued

*Exitianus obscurinervis*  
*Exptochiamera oblonga*  
*Florinia theae*  
*Gnorimoschema gudmannella*  
*Grapholitha packardii*  
*Gymnococcus agavium*  
*Gynaikothrips ficorum*  
*Haplothrips clarisetis* (?)  
*Helicina strebeli*  
*Insara tolteca*  
*Iphiclides protesilaus*  
*Iridomyrmex iniquus*  
*Isorhinus undatus*  
*Labia arcuata*  
*Lamellaris gracilis*  
*Lepidosaphes philococcus*  
*Leptodictya sinaloana*  
*Leptopharsa usingeri*  
*Ligyrocoris aurivilliana*  
*L. nitidulus*  
*Loxostege bifidalis*  
*Lygus lineolaris*  
*Micrapate labialis*  
*Mimosestes sallaei*  
*Moodna bisinuella*  
*Mormidea inermis*  
*Myelobia smerinthus*  
*Myodocha longicollis*  
*Nasutitermes corniger*  
*Neoleucinodes elegantalis*  
*Nysius raphanus*  
*N. tenellus*  
*Ogdocoeca biannularis*  
*Onychaspidium apicale*  
*Ozasis zerensis*  
*Orychilus alliarius*  
*Pachybrachius albocinctus*  
*Parisoschoenus expositus*  
*P. flavolimbatus*  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Pemphigus populiramulorum*  
*Pheidole megacephala*  
*Philaspis virulnerata*  
*Phorodon menthae*  
*Plagiomorpha scabricula*  
*Platynota rostrana*  
*Podisus lineolatus*  
*Polyglypta costata*  
*Procyptotermes hubbardi*  
*Pseudocysta perseae*  
*Pseudischnaspis alienus*  
*Ptilia versicolor*  
*Puto mexicanus*  
*Sparedrus depressus*  
*Stator limbatus*  
*Stenoma catenifer*  
*Talponia batesi*  
*Taylorilygus pallidulus*  
*Tenthecoris bicolor*  
*Tenthecoris distinctus*  
*Tenuirostritermes cinereus*  
*Thyanta pallidovirens*  
*Trialeurodes vitrinellus*  
*Trionymus sacchari*  
*Unaspis citri*  
*Vinsonia stellifera*  
*Xylobiops parilis*  
*X. sextuberculatus*

**MONTSERRAT:**  
*Ectomyelois ceratoniae*

**MOROCCO:**  
*Cochlicella barbara*  
*C. ventrosa*  
*Helicella conspurcata*  
*Metopoplax ditomoides*  
*Nezara viridula*  
*Otala lactea*  
*O. vermiculata*  
*Pieris brassicae*  
*Thaumatomyia notata flavifrons*  
*Theba pisana*

**MOZAMBIQUE:**  
*Trogoderma granarium*

## NETHERLANDS:

*Adoxophyes orana*  
*Aspidiotus zonatus*  
*Bruchus affinis*  
*Cepaea hortensis* (?)  
*Ceutorhynchus erysimi*  
*Dialeurodes chittendeni*  
*Diaspis juniperi*  
*Haplothrips aculeatus*  
*Helicella ericetorum*  
*Helix aperta*  
*Limothrips denticornis*  
*Lygus lucorum*  
*Mamestra brassicae*  
*Myzus ascalonicus*  
*Oulema melanopa*  
*Phytomyza rufipes*  
*Rhagoletis cerasi*  
*Sitona lineata*  
*Taeniothrips atratus*  
*Thrips flavus*  
*Trionymus lounsburyi*  
*Trogoderma granarium*

## NETHERLANDS (?):

*Trogoderma granarium*

## NETHERLANDS NEW GUINEA:

*Cosmopolites sordidus*

## NETHERLANDS WEST INDIES:

*Cylas formicarius elegantulus*

## NEW GUINEA:

*Cosmopolites sordidus*

## NEW ZEALAND:

*Brevipalpus obovatus*

*Nysius huttoni*

## NICARAGUA:

*Aleurocanthus woglumi*  
*Anastrepha mombinpraeoptans*  
*A. serpentina*  
*Chrysomphalus calurus*  
*C. personatus*  
*Stenoma catenifer*  
*Tenthecoris vestitus*  
*Vinsonia stellifera*

## NIGERIA:

*Caryedon gonagra*  
*Ceratitidis colae* (?)  
*Pseudococcus boninsis*  
*Trogoderma granarium*

## NORTHERN IRELAND:

*Stenotarsonemus laticeps*

## NORWAY:

*Aphis callunae*  
*Argyresthia conjugella*  
*Eremocoris plebejus*  
*Evergestis forficatus*  
*Ips typographus*  
*Taeniothrips atratus*  
*T. ericae*

## OKINAWA:

*Parlatoria zizyphus*  
*Pheidole megacephala*  
*Popillia lewisi*  
*Pulvinaria psidii*

## OKINAWA (?):

*Sinozylon conigerum*  
*Stromatium longicorne*

## PAKISTAN:

*Sinozylon conigerum*  
*Trogoderma granarium*

## PALMYRA ISLAND:

*Pseudococcus neobrevipes*

## PALMYRA ISLAND (?):

*Eobia bicolor*

## PANAMA:

*Anastrepha mombinpraeoptans*  
*Ancylostomia stercora*  
*Aspidiotus destructor*  
*Cephaloleia pretiosa*  
*Chrysomphalus odontoglossi*  
*C. umboniferus*  
*Ecpanttheria eridanus*  
*Lepidosaphes tokionis*  
*Metamasius hemipterus sericeus*  
*Pentalonia nigronervosa*  
*Pinnaspis buxi*  
*Pseudischnaspis alienus*

## Countries of Origin and Insects—Continued

## PANAMA—Continued

*Stenoma catenifer*  
*Unaspis citri*  
*Vinsonia stellifera*

## PANAMA (?):

*Unaspis citri*

## PERU:

*Acanthoscelides obreptus*  
*Ceratitidis capitata*  
*Clerada apicornis*  
*Dallasiellus orchidophilus*  
*Helix aspersa*  
*Lincus rufospilatus*  
*Mecolaemus carpalhoi*  
*Pagiocerus fiorii*  
*Pentalonia nigronervosa*  
*Rhynchotermes nasutissimus*  
*Selenothrips rubroclavatus*  
*Tenthorax distinctus*  
*Trionymus sacchari*  
*Vinsonia stellifera*

## PHILIPPINES:

*Aonidiella inornata*  
*Aspidiotus destructor*  
*A. excisus*  
*A. palmarum*  
*Aulacaspis tubercularis*  
*Caryedon gonagra*  
*Cosmopolites sordidus*  
*Cryptophlebia ombrodelta*  
*Cylas formicarius elegantulus*  
*Dialeurodes kirkaldyi*  
*Ectomyelois ceratoniae*  
*Eobia bicolor*  
*Florinia theae*  
*Furcaspis haematodes*  
*Heterobostrychus aequalis*  
*Leptocorixa varicornis*  
*Monomorium destructor*  
*Parlatoria cinerea*  
*P. zizyphi*  
*Pheidole megacephala*  
*Phenacaspis cockerelli*  
*Polytus mellerbori*  
*Pseudonidia trilobitiformis*  
*Pseudococcus laciniosus*  
*Stephanitis typica*  
*Taeniothrips vitticornis*  
*Tenuipalpus pacificus*  
*Trogorylon aequale*  
*Unaspis yanonensis*

## PHILIPPINES (?):

*Nephotettix apicalis*  
*Rehmenia phrynealis*  
*Trogoderma granarium*

## POLAND:

*Argyresthia conjugella*  
*Endelomyia aethiops*  
*Frankliniella intonsa*  
*Rhagoletis cerasi*  
*Taeniothrips atratus*  
*T. dianthi*

## PORTUGAL:

*Bruchus guttalis*  
*Caryedon gonagra*  
*Ceratitidis capitata*  
*Ectomyelois ceratoniae*  
*Hemimene juliana*  
*Laspeyresia splendana*  
*Pheidole megacephala*  
*Rhagoletis cerasi*  
*Sitona lineata*

## PUERTO RICO:

*Anastrepha mombinpraeoptans*  
*A. suspensa*  
*Ancylostoma stercoraria*  
*Asterolecanium bambusae*  
*Cylas formicarius elegantulus*  
*Doru albipes*  
*Ectomyelois ceratoniae*  
*Maruca testulalis*  
*Orycopis vittata*  
*Pinnaspis caricis*  
*Protopulvinaria longivalvata*  
 "Targionia" sacchari

## PUERTO RICO (?):

*Anastrepha suspensa*

## REPUBLIC OF SOUTH AFRICA:

*Blissus diplopterus*  
*Bostrychophiles cornutus*  
*Ceratitidis capitata*  
 "Chionaspis" leucadendri  
*Diaphone eumela*  
*Diaspis zamiae*  
*Epichorista ionephela*  
*Forficula senegalensis*  
*Frankliniella schultzei*  
*Mesochelidura peringueyi*  
*Nezara viridula*  
*Odonaspis ruthae*  
*Opogona sacchari*  
*Parlatoria pittospori*  
*Phlyctinus callosus*  
*Phricodius hystriz*  
*Pseudococcus gahani*  
*Specularius erythriniae*  
*Xiphistes furcicornis*

## REPUBLIC OF THE CONGO:

*Callosobruchus rhodesianus*

## RUMANIA:

*Grapholitha janthiana* (?)

## ST. KITT'S:

*Ancylostoma stercoraria*  
*Coccus viridis*  
*Pheidole megacephala*

## ST. LUCIA:

*Lamellaxis gracilis*  
*Subulina octona*  
 "Targionia" hartii

## SCOTLAND:

*Aphis callunae*  
*Gelechia ericetella*  
*Limothrips denticornis*  
*Rhynchites auratus*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips flavus*  
*T. major*  
*Tyrophagus oudemansi*

## SENEGAL:

*Trogoderma granarium*

## SINGAPORE:

*Bemisia tabaci*  
*Pheidole megacephala*  
*Trogoderma granarium*

## SOLOMON ISLANDS:

*Pheidole megacephala*

## SOUTH AMERICA (country(?)):

*Solenopsis saevissima richteri*

## SOUTH PACIFIC:

*Cassida circumdata*

*Sardia pluto*

## SOUTHWEST PACIFIC:

*Eobia bicolor*

## SPAIN:

*Acrolepis assectella*  
*Brachycerus algericus*  
*Brevipalpus obovatus*  
*B. phoenicis*  
*Bruchus lentis*  
*B. signaticornis*  
*Callidium violaceum*  
*Ceratitidis capitata*  
*Chilo suppressalis*  
*Cochlicella barbara*  
*C. conoidea*  
*Cryptoblabes gnidiella*  
*Dactyloctenium aegyptium*  
*Dyspessa ulula*  
*Gymnococcus agavium*  
*Helicella conspurcata*  
*H. maritima*  
*H. neglecta*  
*H. variabilis*  
*Helix aspersa*  
*Laspeyresia splendana*  
*Limax marginatus*  
*Lorryia mali*  
*Ostrinia nubilalis*  
*Otala vermiculata*  
*Parlatoria zizyphi*



## Countries of Origin and Insects—Continued

## SPAIN—Continued

*Plusia orichalcea*  
*Rhagoletis cerasi*  
*Rhaphogaster nebulosa*  
*Sesamia nonagrioides*  
*Theba pisana*  
*Thrips angusticeps*

## SUDAN:

*Trogoderma granarium*

## SURINAM:

*Parlatoria cinerea*  
*Subulina octona*

## SWEDEN:

*Acanthothrips coriaceus*  
*Anuraphis cardui*  
*Frankliniella intonsa*  
*Molorchus minor*

## SWITZERLAND:

*Cecilioides acicula*  
*Psylla mali*  
*Stenoptilia stigmatodactyla*

## TAHITI:

*Brevipalpus phoenicis*  
*Dialeurodes kirkaldyi*  
*Morganella longispina*  
*Parlatoria cinerea*

## TANGANYIKA:

*Mamestra brassicae*

## THAILAND:

*Cylas formicarius*  
*Heterobostrychus aequalis*  
*Lepidosaphes punicae*  
*Minthea rugicollis*  
*Parlatoria zizyphus*  
*Trogoderma granarium*

## TORTOLA:

*Aspidiotus destructor*

## TRINIDAD:

*Anastrepha mombinpraeoptans*  
*Euscepes postfasciatus*  
*Monomorium destructor*  
*Nasutitermes costalis*  
*Orthezia praelonga*  
*Palaeopus costicollis*  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Tropidacris latreillei*  
*Vinsonia stellifera*

## TURKEY:

*Ceratitis capitata*  
*Cochlicella barbara*  
*Ectomyelois ceratoniae*  
*Helicella derbentina*  
*H. striata*  
*Laspeyresia splendana*  
*Pectinophora gossypiella*  
*Theba pisana*

## UNITED ARAB REPUBLIC:

*Ceratitis capitata*  
*Gnorimoschema ocellatella*  
*Hellula undalis*  
*Lampides boeticus*  
*Pectinophora gossypiella*  
*Trogoderma granarium*

## UNKNOWN:

*Adoxophyes orana*  
*Ancognatha scarabaeoides*  
*Callipogon armillatus*  
*Callosobruchus rhodesianus*

*Ceratitis capitata*  
*Chilo suppressalis*  
*Chrysomphalus personatus*  
*Cochlicella ventrosa*  
*Dacus oleae*  
*Eriophyes canestrinii*  
*Eucalymnatus tessellatus*  
*Eritianus obscurinervis*  
*Gelechia ericetella*  
*Grapholitha janthiana* (?)  
*Helicella itala*  
*H. striata*  
*H. variabilis*

*Helix pomatia*  
*Laspeyresia strobilella*  
*Listronotus palustris*  
*Lobesia botrana* (?)  
*Monomorium destructor*  
*Myzus ascalonicus*  
*Nezara viridula*  
*Onthophagus taurus*  
*Parlatoria cinerea*  
*P. zizyphus*  
*Phytomyza rufipes*  
*Plagionotus arcuatus*  
*Porphyrobaphes iostoma*  
*Pseudococcus gahani*  
*Rhagoletis cerasi*  
*Schoenobius incertulus*  
*Taeniothrips atratus*  
*T. dianthi*  
*"Targionia" hartii*  
*Tetranychus viennensis*  
*Theba pisana*  
*Thrips angusticeps*  
*T. flavus*  
*T. major*  
*Trogoderma granarium*  
*Tropidacris latreillei*  
*Vinsonia stellifera*  
*Xylomeira torquata*

## VENEZUELA:

*Aceria tulipae*  
*Aulacaspis tubercularis*  
*Cerconota anonella*  
*Engonus subcylindricus*  
*Mimosestes sallaei*  
*Neoleucinodes elegantalis*  
*Otosema odorata*  
*Parozaxis antillarum*  
*Synrias diffundens*  
*Vinsonia stellifera*

## VENEZUELA (?):

*Hemiargus hanno*  
*Minthea rugicollis*

## VIETNAM:

*Cryptothoele minuscula*

## WEST INDIES (island(?)):

*Anastrepha mombinpraeoptans*  
*Unaspis citri*

## YUGOSLAVIA:

*Dyspepsa ulula*  
*Grapholitha janthiana* (?)  
*Homotoma ficus*  
*Laspeyresia splendana*  
*Ostrinia nubilalis*  
*Sterrhia inquinata*

Pests Collected and Reported From July 1, 1960, Through June 30, 1961

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
† <i>Aecidium cannonii</i> Griff.: <i>Fouquieria</i> sp. (leaf).....	Mexico.....	1			Tex.
† <i>Aphelenchoides bicaudatus</i> Imamura: <i>Ipomoea batatas</i> (sweetpotato).....	do.....	1			Tex.
<i>Aphelenchoides fragariae</i> (Ritzema Bos) Christie(?): <i>Bletilla striata</i> (orchid) stem sheath.....	Japan.....			1	N.J.
† <i>Ascochyta caricae</i> Pat.: <i>Carica papaya</i> (papaya).....	Enlwetok, Mexico.....	1	1		Hawaii, Tex.
† <i>Ascochyta citri</i> Penz.: <i>Citrus aurantium</i> (sour orange).....	Japan.....		1		Calif.*
† <i>Ascochyta cycadina</i> Scalla: <i>Cycas revoluta</i> (sago palm).....	Okinawa.....			1	Hawaii.
† <i>Ascochyta passiflorae</i> Penz. & Sacc.: <i>Passiflora</i> sp. (passionflower) fruit.....	Colombia.....	1			Calif.
† <i>Ascochyta phaseolorum</i> Sacc.: <i>Phaseolus vulgaris</i> (bean).....	Brazil.....		2		Calif.,* S.C.
† <i>Asterinema caseariae</i> Bat. & Gayão(?): <i>Maxillaria</i> sp. (orchid).....	Costa Rica.....			1	Fla.
<i>Botryosphaeria palmigena</i> (Berk. & Curt.) Bomm. & Rouss.: <i>Chamaedorea elegans</i> (palm) leaf.....	Mexico.....	2			Tex.
† <i>Camarosporium chenopodii</i> Ell. & Ev.: <i>Exomis arylroides</i> (seed).....	Republic of South Africa.....			1	D.C.
† <i>Camarosporium limonii</i> Cke.: <i>Citrus sinensis</i> (sweet orange).....	Australia.....		1		Hawaii.
† <i>Camarosporium setuliferum</i> (Speg.) Petr. & Syd.: <i>Lophocereus schottii</i> (cactus).....	Mexico.....			1	Ariz.
†Carnation ringspot virus: <i>Dianthus</i> sp. (cutting).....	Denmark.....			1	N.J.
<i>Ceratocystis narcissii</i> (Lamber) J. Hunt: <i>Narcissus</i> sp. (bulb).....	England.....			1	Calif.*
<i>Cercospora brachiata</i> Ell. & Ev.: <i>Phaseolus vulgaris</i> var. (string bean).....	Puerto Rico.....	1			P.R.
<i>Cercospora brassicicola</i> P. Henn.: <i>Brassica</i> sp.....	Japan.....		1		P.R.
<i>Cercospora coleroides</i> Sacc.: <i>Casimiroa</i> sp. (leaf).....	Mexico.....	1			Ariz.
† <i>Cercospora moricola</i> Cke.: <i>Morus</i> sp. (mulberry) leaf.....	do.....		1		Tex.
† <i>Cercospora punicae</i> P. Henn.: <i>Punica granatum</i> (pomegranate).....	India.....	1			Hawaii.
† <i>Cercospora vaginiae</i> Krüger: <i>Saccharum</i> sp.....	do.....	1			Hawaii.
† <i>Chaetothyria musarum</i> (Speg.) Th. sensu Batista: <i>Musa paradisiaca</i> (plantain).....	Mexico.....	1			Tex.
<i>Chrysomyxa ledi</i> d By. var. <i>rhododendri</i> (d By.) Saville: <i>Rhododendron ferrugineum</i> (rock rhododendron).....	Switzerland.....	7			N.J., N.Y.
<i>R. uniflorum</i> .....	Canada.....			1	Wash.
<i>Rhododendron</i> sp.....	Switzerland.....	7		1	Ill., N.Y.
† <i>Ciliospora gelatinosa</i> Zimm.: Palm (frond).....	Mexico.....	1			Tex.
† <i>Circinella minor</i> Lendner(?): <i>Citrullus vulgaris</i> (watermelon).....	do.....	1			Tex.
† <i>Coleosporium asterum</i> (Diet.) Syd.: <i>Aster</i> sp.....	Korea.....	1			Wash.
† <i>Colletotrichum dematium</i> (Fr.) Grove f. <i>spinaciae</i> (Ell. & Halst.) Arx: <i>Spinacia oleracea</i> (spinach).....	Japan.....		1		Calif.*
† <i>Coniothecium chomatoporum</i> Cda.(?): <i>Malus sylvestris</i> (apple).....	Australia.....	1			Hawaii.
<i>Coniothyria agaves</i> (Dur. & Mont.) Petr. & Syd.: <i>Agave</i> sp.....	Mexico.....			1	Tex.
† <i>Coniothyrium brevisporum</i> I. Miyake: <i>Oryza sativa</i> (rice) straw.....	China.....	1			Wash.
† <i>Coniothyrium palmicolum</i> (Fr.) Starb.: Palm (seed).....	Mexico.....			1	Ariz.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Cricanemoides mutabile</i> Taylor:					
Soil with <i>Delonix regia</i> (flamboyant-tree).....	Mexico.....	-----	-----	1	Tex.
Soil with <i>Philodendron</i> sp. ....	do.....	-----	-----	1	Ariz.
Soil with unidentified plant.....	do.....	-----	-----	1	Ariz.
<i>Cryptospora longispora</i> Servazzi:					
<i>Araucaria excelsa</i> (Norfolk-Island-pine) seed....	Australia, Norfolk Island, unknown.	-----	-----	6	Calif.,* Fla., N.J.
<i>Cumminsia mirabilissima</i> (Pk.) Nannf.:					
<i>Mahonia aquifolium</i> (Oregon-grape).....	Canada.....	-----	-----	1	Wash.
<i>Cylindrocarpon candidum</i> (Lk.) Wr.:.....	Netherlands.....	-----	-----	1	N.J.
<i>Polygonum aubertii</i> (root).....	Mexico.....	-----	-----	1	Tex.
† <i>Cylindrocladium scoparium</i> Morg.:.....	do.....	-----	-----	1	Tex.
<i>Stanhopea</i> sp. (orchid) leaf.....	do.....	-----	-----	1	Tex.
† <i>Cylindrosporium toxicodendri</i> Ell. & Ev.:.....	do.....	1	-----	-----	Tex.
<i>Schinus molle</i> (California peppertree).....	Pakistan.....	-----	-----	1	D.C.
† <i>Cymadothea trifolii</i> (Fr.) Wolf:	Mexico.....	-----	-----	1	Tex.
<i>Trifolium resupinatum</i> (Persian clover) seed....	Mexico.....	-----	-----	1	D.C.
<i>Cytospora sacchari</i> Butl.:.....	do.....	-----	-----	1	Tex.
<i>Saccharum officinarum</i> (sugarcane) node.....	do.....	-----	-----	1	Tex.
<i>Dendrophoma obscurans</i> (Ell. & Ev.) H. W. Anderson:	do.....	-----	-----	1	Tex.
<i>Fraxia</i> sp. (strawberry) leaf.....	France, Germany.....	-----	-----	5	N.Y.
<i>Dendryphon interseminata</i> (Berk. & Rav.) Hughes:	do.....	-----	-----	1	Tex.
<i>Dahlia</i> hybrid (root).....	do.....	-----	-----	1	Tex.
† <i>Diaporthe batatis</i> Harter & Field:	do.....	1	-----	-----	Ariz.
<i>Ipomoea batatas</i> (sweetpotato).....	do.....	-----	-----	-----	Ariz.
<i>Didymella ornithogali</i> Jacques:	do.....	-----	-----	-----	Ariz.
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee)....	Republic of South Africa	1	-----	-----	Mass.
† <i>Didymium squamulosum</i> (Alb. & Schw.) Fr.:.....	do.....	-----	-----	-----	Mass.
<i>Chamaedorea elegans</i> (palm) leaf.....	Mexico.....	1	-----	-----	Tex.
† <i>Dinemasporium graminum</i> Lévl.:.....	do.....	-----	-----	-----	Tex.
<i>Secale cereale</i> (rye) straw jacket.....	Chile(?).....	1	-----	-----	Fla.
<i>Diplodia coccocarpa</i> Sacc.:.....	do.....	-----	-----	-----	Fla.
<i>Cocos nucifera</i> (coconut) cap.....	Hawaii, Tahiti.....	3	-----	-----	Calif.*
<i>Diplodia oryzae</i> I. Miyake:	do.....	-----	-----	-----	Calif.*
<i>Oryza sativa</i> (rice) straw.....	Japan.....	-----	31	-----	Calif.*
† <i>Diplodia grossulariae</i> Sacc. & Briard:	do.....	-----	-----	-----	Calif.*
<i>Ribes</i> sp. (stem).....	Norway.....	-----	-----	1	Calif.*
† <i>Discula quercina</i> (West.) Arx:	do.....	-----	-----	-----	Calif.*
<i>Quercus phillyreoides</i> .....	Japan.....	-----	-----	1	N.J.
<i>Ditylenchus dipsaci</i> (Kühn) Filip.:.....	do.....	-----	-----	-----	N.J.
<i>Narcissus</i> 'Beryl', 'Charity May', 'Cobweb', 'Moschatus of Haworth', 'Nor-Nor', 'Snipe', 'Stafford'.....	England.....	-----	-----	7	N.J.
<i>N. bulbocodium</i> (petticoat daffodil).....	do.....	-----	-----	1	N.J.
<i>N. bulbocodium</i> var. <i>conspicuus</i> .....	do.....	-----	-----	1	N.J.
<i>N. filifolius</i> .....	do.....	-----	-----	1	N.J.
<i>N. juncifolius</i> .....	do.....	-----	-----	1	N.J.
<i>N. odoratus</i> (campanelle jonquil).....	do.....	-----	-----	1	N.J.
<i>Narcissus</i> sp. ....	do.....	-----	-----	1	N.J.
† <i>Dothiorella araucariae</i> (Vogl.) Petr.:.....	do.....	-----	-----	-----	N.J.
<i>Araucaria cunninghamii</i> (seed).....	Australia.....	-----	-----	2	Fla.
<i>Araucaria</i> sp. (seed).....	Nicaragua.....	-----	-----	1	Fla.
† <i>Dothiorella barringtoniae</i> (Cke. & Massee) Petr. & Syd.:.....	do.....	-----	-----	-----	Fla.
<i>Barringtonia speciosa</i> (India barringtonia)....	Hawaii.....	1	-----	-----	Calif.*
<i>Elsinoe australis</i> Bitanc. & Jenkins:	do.....	-----	-----	-----	Calif.*
<i>Citrus aurantifolia</i> (sour lime).....	Brazil, unknown.	-----	3	-----	Calif.,* P.R.
<i>C. limon</i> (lemon).....	Argentina, Brazil, unknown.	-----	28	-----	Ala., Calif.,* Ga., Fla., La., N.Y.
<i>C. paradisi</i> (grapefruit).....	Argentina, Brazil.....	-----	6	-----	Calif.,* Fla., N.Y., Tex.
<i>C. reticulata</i> (Mandarin orange).....	Argentina, unknown.....	6	16	-----	Fla., N.Y.
<i>C. sinensis</i> (sweet orange).....	Argentina, Brazil, unknown, Uruguay.	7	97	-----	Ala., Calif.,* Fla., Ga., Hawaii, La., Md., Mich., N.Y., N.C., Pa., P.R., Tex., Va.

See footnotes at end of table.



Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
† <i>Elsinoe lepagei</i> Bitanc. & Jenkins: <i>Pouteria campechiana</i> (leaf).....	Mexico.....	1	-----	-----	Ariz.
† <i>Elsinoe mangiferae</i> Bitanc. & Jenkins: <i>Mangifera indica</i> (mango).....	Antigua.....	1	-----	-----	P.R.
† <i>Fusarium solani</i> (Mart.) Appel & Wr. emend Snyd. & Hans.: <i>Solanum tuberosum</i> (potato).....	Peru.....	1	-----	-----	Fla.
† <i>Gonatobotrys simplex</i> Cda.: <i>Lycopersicon esculentum</i> (tomato).....	Mexico.....	-----	1	-----	Ariz.
†“Greasy spot”: <i>Citrus</i> sp. (leaf).....	Dominican Republic, Puerto Rico.	2	-----	-----	P.R.
† <i>Guignardia bidwellii</i> (Ell.) Viala & Ravaz: <i>Vitis</i> sp. (grape).....	Chile.....	1	-----	-----	N.Y.
<i>Gymnosporangium haraeaeum</i> Syd.: <i>Juniperus chinensis</i> (pyramid Chinese juniper)	Japan.....	-----	-----	6	Hawaii, Wash.
<i>J. chinensis</i> var. <i>sargentii</i> .....	do.....	-----	-----	2	Hawaii.
<i>Helicotylenchus nannus</i> Steiner: Soil with plants ( <i>Asparagus</i> sp., <i>Capsicum</i> <i>annuum</i> , <i>Citrus</i> sp., <i>Echeveria</i> sp., <i>Ficus</i> <i>religiosa</i> , <i>Laurus</i> sp., <i>Tradescantia</i> sp., and unidentified plants).	Mexico.....	-----	-----	9	Ariz., Tex.
<i>Helminthosporium turcicum</i> Pass.: <i>Zea mays</i> (corn).....	do.....	1	-----	-----	Ariz.
<i>Heterodera avenae</i> (Wr.) Filip.: Soil with <i>Allium cepa</i> (onion).....	Italy.....	2	-----	-----	N.Y.
Soil with <i>Allium sativum</i> (garlic).....	do.....	2	-----	-----	N.Y.
Soil with automobile.....	Sweden.....	1	-----	-----	Fla.
Soil with propagative material ( <i>Citrus limon</i> , <i>Freesia</i> sp., <i>Rosa</i> hybrid, <i>Tulipa</i> sp., and <i>Vitis</i> sp.).	Denmark, England, Germany, Italy.	-----	-----	6	N.Y.
Soil with <i>Solanum tuberosum</i> (potato).....	Belgium.....	-----	1	-----	Fla.
<i>Heterodera cacti</i> Filip. & Schuurm. Stek.: Soil with <i>Allium sativum</i> (garlic).....	Mexico.....	-----	2	-----	N.Y.
Soil with propagative material ( <i>Begonia</i> sp., cactus, fern, <i>Philodendron</i> sp., <i>Polianthes</i> <i>tuberosa</i> , and unidentified plants).	Argentina, †Chile, France, Germany, Italy, Mexico, Switzerland.	-----	-----	24	Ariz., Calif.* Fla., N.Y., Tex.
Soil with railway car.....	Mexico.....	-----	1	-----	Tex.
<i>Heterodera punctata</i> Thorne: Soil with automobile.....	England.....	1	-----	-----	Fla.
Soil with propagative material ( <i>Amaryllis</i> sp., <i>Begonia</i> sp., cactus, <i>Calluna vulgaris</i> , grass, <i>Gypsophila</i> sp., <i>Philodendron</i> sp., <i>Rosa</i> hy- brid, and unidentified plants).	Austria, Belgium, England, Germany, Mexico, Norway, Switzerland.	-----	-----	12	Calif.,* Fla., N.J., N.Y., Tex.
Soil with railway car.....	Mexico.....	-----	1	-----	Tex.
<i>Heterodera rostochiensis</i> Wr.: Soil sample.....	Poland.....	1	-----	-----	N.Y.
Soil with propagative material ( <i>Amaryllis</i> sp., <i>Begonia</i> sp., cactus, <i>Chrysanthemum</i> sp., <i>Dahlia</i> hybrid, <i>Dianthus</i> sp., fern, <i>Fragaria</i> sp., <i>Haworthia papillosa</i> , <i>Hedera</i> sp., <i>Medi-</i> <i>nilla magnifica</i> , <i>Paeonia</i> sp., palm, <i>Pelargo-</i> <i>nium zonale</i> , <i>Trifolium repens</i> var., uniden- tified plants, and <i>Viola</i> sp.).	England, Germany, Ireland, Mexico, Poland, Sweden.	-----	-----	19	Ariz., Calif.,* D.C., N.J., N.Y., Tex.
Soil with stores ( <i>Apium graveolens</i> , <i>A. graveo-</i> <i>lens</i> var. <i>rapaceum</i> , <i>Armoracia lapathifolia</i> , <i>Brassica rapa</i> , <i>Lactuca sativa</i> , and <i>Solanum</i> <i>tuberosum</i> ).	Belgium, England, Germany, Nether- lands, Spain.	-----	9	-----	Calif.,* Fla., N.Y., Tex.
† <i>Hexagonia velutina</i> Pat.: Tree—unidentified.....	China.....	-----	-----	1	Hawaii.
<i>Kellermannia anomala</i> (Cke.) Hoehn.: <i>Yucca</i> sp.....	Mexico.....	1	-----	1	Ariz., Tex.
† <i>Lecanidion atratum</i> (Hedw.) Endl.: <i>Aloe</i> sp. (stem).....	Bermuda.....	1	-----	-----	N.Y.
† <i>Leptosphaeria coffeigena</i> (Berk. & Curt.) Sacc.: <i>Coffea arabica</i> (Arabian coffee).....	Mexico.....	-----	-----	1	Tex.
<i>Lophodermium arundinaceum</i> (Fr.) Chev.: <i>Phalaris</i> sp. (?) (mat).....	Germany.....	1	-----	-----	La.
<i>Phragmites</i> sp. (reed) cane.....	do.....	1	-----	-----	Oreg.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Macrophoma araucariae</i> De Lac.: <i>Araucaria cunninghamii</i> (seed).....	New Zealand.....	-----	-----	1	Calif.*
<i>A. excelsa</i> (Norfolk-Island-pine) seed.....	Norfolk Island.....	-----	-----	4	Calif.*
<i>Macrophoma musae</i> (Cke.) Berl. & Vogl.: <i>Musa paradisica</i> (plantain).....	†American Samoa, Japan, Philippines.....	1	1	-----	Hawaii.
<i>M. paradisica</i> var. <i>sapientum</i> (banana) leaf.....	Philippines.....	1	-----	-----	Calif.*
<i>Musa</i> sp. (fruit and leaf).....	†Guam, Japan, Philippines, †Singapore.	6	1	-----	Hawaii.
<i>Macrophoma oleae</i> (DC.) Berl. & Vogl.: <i>Olea europaea</i> (olive).....	Italy.....	1	-----	-----	N.Y.
<i>Melampsora abietis-capreae</i> Tub.: <i>Salix</i> sp. (willow) herbarium specimen.....	Mexico.....	1	-----	-----	Ariz.
<i>Meloidogyne arenaria</i> (Neal) Chitwood: <i>Alcocasia</i> sp. (rhizome).....	do.....	-----	-----	1	Tex.
<i>Caladium</i> x <i>hortulanum</i> 'Candidum' (tuber).....	Guatemala.....	-----	-----	2	N.J.
<i>Caladium</i> sp. (tuber).....	do.....	-----	-----	1	N.J.
<i>Dioscorea</i> sp. (yam) root.....	Japan.....	-----	1	-----	Calif.*
<i>Gerbera</i> sp. (root).....	do.....	-----	-----	1	Calif.*
† <i>Meloidogyne arenaria</i> (Neal) Chitwood: <i>Zantedeschia aethiopica</i> (calla lily).....	do.....	-----	-----	1	La.
<i>Meloidogyne hapla</i> Chitwood: <i>Begonia</i> sp. (tuber).....	do.....	-----	-----	1	Wash.
<i>Clematis</i> sp. (root).....	Netherlands.....	-----	-----	1	N.Y.
<i>Gerbera</i> sp. (pip).....	Japan.....	-----	-----	2	Calif.*
<i>Leontopodium alpinum</i> (common edelweiss) root.....	Netherlands.....	-----	-----	1	N.Y.
' <i>Phygelius capensis</i> (capefuchsia).....	England.....	-----	-----	1	N.J.
<i>Rosa</i> hybrids.....	Germany.....	-----	-----	2	N.J.
<i>Viburnum fragrans</i> (root).....	Netherlands.....	-----	-----	1	N.Y.
<i>Meloidogyne incognita</i> (Kofoid & White) Chitwood: <i>Asparagus</i> sp. (root).....	Mexico.....	-----	-----	1	Tex.
<i>Beta vulgaris</i> (beet).....	do.....	6	-----	-----	Tex.
<i>Daucus carota</i> var. <i>sativa</i> (carrot) root.....	do.....	1	-----	-----	Tex.
<i>Meloidogyne incognita acrita</i> Chitwood: <i>Coriandrum sativum</i> (coriander) root.....	do.....	1	-----	-----	Tex.
<i>Gardenia</i> sp. (root).....	do.....	-----	-----	1	Tex.
<i>Polianthes tuberosa</i> (tuberose).....	Italy.....	-----	-----	1	N.Y.
<i>Zantedeschia</i> sp. (calla lily) tuber.....	Mexico.....	-----	-----	1	Calif.*
<i>Meloidogyne javanica</i> (Treub) Chitwood: <i>Asparagus myriocladus</i> .....	Japan.....	-----	-----	1	Calif.*
<i>Asparagus x sieberianus</i> .....	do.....	-----	-----	1	Calif.*
<i>Cussonia</i> sp. (root).....	Republic of South Africa.....	-----	-----	1	N.J.
<i>Daucus carota</i> var. <i>sativa</i> (carrot) root.....	Mexico.....	1	-----	-----	Tex.
<i>Euphorbia multiceps</i> (root).....	Republic of South Africa.....	-----	-----	1	Calif.*
<i>Zantedeschia aethiopica</i> (calla lily) tuber.....	Argentina.....	-----	-----	1	N.J.
† <i>Menispora acicola</i> Ell. & Ev.: <i>Theobroma cacao</i> (cacao) pod.....	Mexico.....	1	-----	-----	Tex.
† <i>Menispora ciliata</i> Cda.: <i>Theobroma cacao</i> (cacao) pod.....	do.....	1	-----	-----	Tex.
† <i>Mycosphaerella berberidis</i> (Auers.) Lindau: <i>Mahonia</i> sp.....	Japan.....	-----	-----	1	Hawaii.
† <i>Mycosphaerella molleriana</i> (Thuem.) Lindau: <i>Eucalyptus</i> sp. (leaf).....	Australia.....	1	-----	-----	Hawaii.
<i>Mycosphaerella schoenoprasii</i> (Ces. & de N.) Schroet.: <i>Allium cepa</i> (onion) top.....	Belgium, Japan.....	-----	8	-----	Calif.*
<i>A. fistulosum</i> (Welsh onion) top.....	Japan.....	-----	4	-----	Calif.,* N.Y.
<i>A. porrum</i> (leek) top.....	†Australia, Belgium, Japan.....	-----	42	-----	Calif.,* P.R.
<i>A. sativum</i> (garlic) top.....	†Germany.....	-----	1	-----	Calif.*
<i>Allium</i> spp.....	Japan.....	-----	3	-----	Calif.*
† <i>Mycosphaerella serrulatae</i> (Ell. & Ev.) Diehl: <i>Palm</i> (leaf).....	Colombia.....	1	-----	-----	Fla.
† <i>Myiocopron affine</i> Penz. & Sacc.: <i>Agave</i> sp.....	Mexico.....	-----	-----	1	Tex.
† <i>Myiocopron corrientum</i> Speg.: <i>Diacrium</i> sp. (orchid).....	Costa Rica.....	-----	-----	1	Fla.
<i>Neovossia horrida</i> (Tak.) Padw. & A. Khan: <i>Oryza sativa</i> (rice).....	India, Japan, †Korea, Philippines.....	2	130	-----	Calif.,* Wash.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
† <i>Oidium macrosporum</i> (Farl.) Linder: <i>Ricinus communis</i> (castorbean).....	Mexico.....	1	-----	-----	Ariz.
† <i>Olpitrichum macrosporum</i> (Farl.) Sumstine: <i>Oryza sativa</i> (rice) straw.....	Japan.....	1	-----	-----	Calif.*
<i>Papularia sphaerosperma</i> (Lk.) Hoehn.: Bamboo (leaf).....	Mexico.....	-----	1	-----	Tex.
<i>Strongylodon macrobotrys</i> ("jade vine").....	†Philippines.....	-----	-----	1	Calif.*
† <i>Periconia pulla</i> (Bon.) Sacc.: <i>Oryza sativa</i> (rice) straw rope.....	Japan.....	-----	1	-----	Calif.*
† <i>Peronospora destructor</i> (Berk.) Casp.: <i>Allium cepa</i> (onion) top.....	do.....	-----	1	-----	Calif.*
<i>Peronospora parasitica</i> Fr.: <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage).....	Netherlands.....	-----	1	-----	Tex.
† <i>Phakopsora jatrophicola</i> Cumm.: <i>Jatropha curcas</i> (Barbados-nut) leaf.....	Dominican Republic.....	1	-----	-----	P.R.
† <i>Phoma acicola</i> (Lév.) Sacc.: <i>Pinus</i> spp.....	Thailand.....	1	-----	-----	Calif.*
<i>Phoma citricarpa</i> McAlp.: <i>Citrus aurantium</i> (sour orange).....	Japan.....	-----	6	-----	Calif.,* Wash.
<i>C. grandis</i> (pummelo).....	Asia (country(?)), China, unknown.	3	-----	-----	Calif.,* Hawaii, Mich.
<i>C. limon</i> (lemon).....	Australia, Fiji, Formosa, Japan, New Zealand, unknown.	2	43	-----	Calif.,* Hawaii, Mass., Mich., N.Y., N.C., Pa.
<i>C. medica</i> (Chinese citron).....	Japan.....	-----	1	-----	Tex.
<i>C. paradisi</i> (grapefruit).....	Australia, Fiji, Japan.....	2	1	-----	Calif.,* Hawaii.
<i>C. paradisi</i> x <i>C. reticulata</i> (tangelo).....	Japan.....	-----	1	-----	Hawaii.
<i>C. reticulata</i> (Mandarin orange).....	China, Formosa, Hong Kong, Japan, unknown.	63	5	-----	Calif.,* Hawaii.
<i>C. sinensis</i> (sweet orange).....	Africa (country(?)), Australia, Brazil, China, Formosa, Hong Kong, Japan, Mozambique, Republic of South Africa, unknown, West Pacific.	74	40	-----	Ala., Calif.,* Fla., Hawaii, La., Mass., Md., Mich., Minn., N.J., N.Y., Pa., P.R., Tex., Wash.
<i>Citrus</i> sp. (peel).....	Asia (country(?)), China, Hong Kong, unknown.	14	-----	-----	Ariz., Fla., Ill., Mass., Mich., Tex.
† <i>Phoma equisetii</i> Desm.: <i>Equisetum</i> sp. (horsetail).....	Japan.....	-----	-----	1	Hawaii.
† <i>Phoma lineolata</i> Desm.: <i>Larix decidua</i> (European larch) seed.....	Scotland.....	-----	-----	1	N.J.
† <i>Phoma malisorica</i> Bub.: <i>Clematis dioscoreifolia</i> var. <i>robusta</i> (sweet autumn clematis) seed.....	Japan.....	-----	-----	1	N.J.
† <i>Phoma oryzae</i> Cke. & Mass.: <i>Oryza sativa</i> (rice) straw.....	China, India.....	3	-----	-----	Calif.,* Wash.
<i>Phomopsis cocoas</i> Petch: <i>Cocos nucifera</i> (coconut).....	Hawaii.....	2	-----	-----	Calif.*
<i>Phomopsis mahoniae</i> Grove(?): <i>Mahonia</i> sp.....	Japan.....	-----	-----	1	Hawaii.
<i>Phomopsis occulta</i> Trav. var. <i>ginkgoina</i> Grove: <i>Ginkgo biloba</i> (ginkgo) dwarf tree.....	do.....	-----	-----	1	Calif.*
<i>Phomopsis palmicola</i> (Wint.) Sacc.: <i>Areca cathecu</i> (betel palm) nut.....	Guam.....	1	-----	-----	Hawaii.
<i>Phomopsis pterophila</i> (Fekl.) Died.: <i>Frazinus excelsior</i> (European ash) seed.....	Italy.....	-----	-----	1	N.J.
† <i>Phyllachora boutelouae</i> Rehm: <i>Bouteloua curtipendula</i> (sideoats grama).....	Mexico.....	-----	-----	1	Tex.
<i>B. gracilis</i> (blue grama).....	do.....	-----	-----	1	Tex.

See footnotes at end of table.



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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
† <i>Phyllachora vulgata</i> Th. & Syd.: <i>Muhlenbergia</i> sp. (muhly grass).....	Mexico.....	-----	-----	1	Ariz.
<i>Phyllosticta aucubicola</i> Sacc.: <i>Aucuba japonica</i> 'Croton'.....	Belgium.....	-----	-----	1	N.J.
<i>Phyllosticta draconis</i> Berk.: <i>Cordyline terminalis</i> (ti) leaf.....	Hawaii.....	-----	-----	2	Calif.*
† <i>Phyllosticta kalmicola</i> (Schw.) Ell. & Ev.: <i>Laurus</i> sp. (laurel) leaf.....	Mexico.....	1	-----	-----	Tex.
<i>Phyllosticta mortoni</i> Fairm.: <i>Mangifera indica</i> (mango) leaf.....	do.....	1	-----	-----	Tex.
† <i>Phyllosticta quercus</i> Sacc. & Speg.: <i>Quercus garryana</i> (Oregon white oak) leaf.....	Canada.....	1	-----	-----	Wash.
† <i>Phyllosticta salicifoliae</i> P. Brun.: <i>Metrosideros</i> sp. (iron tree).....	Australia.....	1	-----	-----	Hawaii.
† <i>Phyllostictina cordylines</i> (Thuem.) Petr. & Syd.: <i>Cordyline terminalis</i> (ti).....	Hawaii.....	5	-----	-----	Hawaii.
<i>Phyllostictina mangiferae</i> Batista & Vital: <i>Mangifera indica</i> (mango) leaf.....	Mexico.....	2	-----	-----	Tex.
<i>Physalospora wildevaniana</i> Sacc.: <i>Oncidium cebolleta</i> (orchid).....	do.....	-----	-----	1	Tex.
<i>Pratylenchus penetrans</i> (Cobb) Chitwood & Oteifa: <i>Dahlia</i> hybrid (root).....	Australia.....	-----	-----	1	N.J.
<i>Pratylenchus pratensis</i> (deMan) Filip.: <i>Pelargonium</i> sp. (geranium).....	Mexico.....	-----	-----	1	Tex.
<i>Prosopodium appendiculatum</i> (Wint.) Arth.: <i>Tecoma stans</i> .....	do.....	1	-----	-----	Ariz.
† <i>Prosopodium perornatum</i> Syd.: <i>Tabebuia rosea</i> (trumpet-tree).....	do.....	1	-----	-----	Ariz.
† <i>Prosopodium pithecoctenii</i> (Paz.) Cum.: <i>Pithecoctenium echinatum</i> (Mexican monkey-comb).....	do.....	2	-----	-----	Ariz., Tex.
† <i>Pseudomonas gardeniae</i> (Burkh. & Pirone) Dows.: <i>Gardenia jasminoides</i> (leaf).....	do.....	1	-----	-----	Ill.
† <i>Pseudomonas syringae</i> v. Hall: <i>Citrus limon</i> (lemon).....	Republic of South Africa.....	-----	1	-----	Calif.
<i>Psilenchus hilarulus</i> deMan: <i>Mesembryanthemum</i> sp.....	Mexico.....	-----	-----	1	Tex.
Soil with unidentified plant.....	do.....	-----	-----	1	Ariz.
<i>Puccinia arenariae</i> (Schum.) Wint.: <i>Dianthus barbatus</i> (sweetwilliam) leaf.....	England.....	-----	1	-----	Mass.
<i>Puccinia baccharidis</i> Diet. & Holw.: <i>Baccharis</i> sp.....	Mexico.....	1	-----	-----	Ariz.
† <i>Puccinia blasdalei</i> Diet. & Holw.: <i>Allium sativum</i> (garlic).....	France(?).....	-----	1	-----	Minn.
<i>Puccinia boutelouae</i> (Jennings) Holw.: <i>Bouteloua curtipendula</i> (sideoats grama).....	Mexico.....	-----	-----	1	Tex.
<i>Puccinia buxi</i> DC.: <i>Buxus</i> sp. (boxwood) leaf.....	France, Ireland.....	1	-----	1	Calif.,*Mass.
<i>Puccinia carthami</i> Cda.: <i>Carthamus tinctorius</i> (safflower).....	Mexico.....	-----	1	-----	Calif.
† <i>Puccinia hordei</i> Otth: <i>Hordeum vulgare</i> (barley) straw.....	Kenya.....	1	-----	-----	Wash.
<i>Puccinia horiana</i> P. Henn.: <i>Chrysanthemum morifolium</i> (florists chrysanthemum).....	Japan.....	5	4	-----	Alaska, Hawaii, Wash.
<i>Chrysanthemum</i> sp.....	do.....	4	1	1	Calif.,* Hawaii.
<i>Puccinia kusanoi</i> Diet.: Bamboo (leaf).....	do.....	1	-----	-----	D.C.
† <i>Puccinia magnusiana</i> Koern.: <i>Phragmites</i> sp. (reed) cane.....	Germany.....	1	-----	-----	Oreg.
† <i>Puccinia noccae</i> Arth.: <i>Lagascea glandulosa</i> (herbarium specimen).....	Mexico.....	1	-----	-----	Ariz.
<i>Puccinia oblecta</i> Pk.: <i>Scirpus</i> sp. (bulrush) straw.....	Mexico, †Portugal.....	4	-----	-----	Fla., Tex.
<i>Puccinia strii</i> orms West.: <i>Secale cereale</i> (rye) leaf.....	Japan.....	-----	1	-----	Wash.
Straw—unidentified.....	do.....	-----	1	-----	Fla.
† <i>Puccinia thaliae</i> Diet.: <i>Canna</i> sp. (leaf).....	Venezuela.....	1	-----	-----	N.Y.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Pyrenochaeta oryzae</i> I. Miyake:					
<i>Oryza sativa</i> (rice) straw.....	†Formosa.....	1			Calif.*
<i>Radopholus similis</i> (Cobb) Thorne:					
<i>Anthurium</i> sp. (root).....	Hawaii.....			1	Calif.*
<i>Ravenelia papillifera</i> Syd.:					
<i>Cassia</i> sp., probably <i>bauhinoides</i> .....	Mexico.....	1			Ariz.
† <i>Rhizosphaera pini</i> (Oda.) Maubl.:					
<i>Pinus</i> sp. (pine).....	Thailand.....			1	Calif.*
<i>Rhytisma punctatum</i> (Pers.) Fr.:					
<i>Acer circinatum</i> (vine maple) leaf.....	Canada.....	1			Wash.
<i>Scutellonema brachyurum</i> (Steiner) Andrassy:					
Soil with <i>Crassula</i> sp. plant.....	Mexico.....			1	Tex.
Soil with <i>Saintpaulia</i> sp. plant.....	do.....			1	Ariz.
† <i>Scutellonema christiei</i> (Golden & Taylor) Andrassy:					
Soil with <i>Philodendron</i> sp.....	do.....			1	Ariz.
† <i>Septonema toruloides</i> Berl.:					
<i>Oryza sativa</i> (rice) hull.....	Japan.....		1		Calif.*
<i>Septoria azaleae</i> Vogl.:					
<i>Rhododendron japonicum</i> 'Adonis'.....	Netherlands.....			1	N.J.
<i>Septoria citri</i> Pass.:					
<i>Citrus limon</i> (lemon).....	Italy, Japan, Spain.....		4		Calif.,* N.Y., Calif.,* Tex.
<i>C. sinensis</i> (sweet orange).....	Japan, Spain, unknown.....	1	7		
† <i>Septoria curvula</i> I. Miyake:					
<i>Oryza sativa</i> (rice) straw rope and mat.....	Japan.....		2		Calif.*
<i>Septoria oryzae</i> Catt.:					
<i>Oryza sativa</i> (rice) straw.....	do.....		43		Calif.*
† <i>Septoria pruni</i> Ell.:					
<i>Prunus</i> sp. (leaf).....	Italy.....			1	N.Y.
† <i>Sirodesmum granulorum</i> de N.:					
<i>Cocos nucifera</i> (coconut) cap.....	Mexico.....	1			Calif.*
<i>Sphaceloma jawcettii</i> Bitanc. & Jenkins. var. <i>scabiosa</i> (McAlp. & Tryon) Jenkins:					
<i>Citrus aurantifolia</i> (lime).....	Australia.....		1		Hawaii.
<i>C. limon</i> (lemon).....	do.....	1	1		Hawaii.
<i>C. sinensis</i> (sweet orange).....	do.....		1		Va.
<i>Sphaceloma punicea</i> Bitanc. & Jenkins:					
<i>Punica granatum</i> (pomegranate).....	Italy, Mexico.....	3			N.Y., Tex.
<i>Sphaerodothis pringlei</i> (Pk.) Th. & Syd.:					
<i>Agave</i> sp.....	Mexico.....			1	Tex.
<i>Sphaeropsis malorum</i> Pk.:					
<i>Euonymus europaeus</i> 'Intermedius'.....	Canada.....			1	N.J.
<i>Sphenospora kevorkianii</i> Linder:					
<i>Epidendrum</i> sp. (orchid) leaf.....	Bahamas, British Honduras, †Haiti, Honduras, unknown.....			12	Fla.
<i>Gongora</i> sp. (orchid) leaf.....	†Peru.....			1	Fla.
<i>Ionopsis</i> sp. (orchid) leaf.....	Jamaica.....			1	Fla.
<i>Oncidium nanum</i> (orchid) leaf.....	†Brazil.....			1	Fla.
<i>O. pulchellum</i> (orchid) leaf.....	†Haiti.....			1	Fla.
<i>O. stipitatum</i> (orchid) leaf.....	†Canal Zone.....			1	Fla.
<i>Oncidium</i> sp.....	British Honduras, Cuba.....			2	Fla.
Orchid.....	Jamaica, †Peru.....			2	Fla.
<i>Rodriguezia batemannii</i> (orchid) leaf.....	†Peru.....			1	Fla.
<i>R. decora</i> (orchid) leaf.....	do.....			1	Fla.
<i>Rodriguezia</i> sp.....	do.....			1	Fla.
† <i>Sphenospora mera</i> Cumm.:					
<i>Bletia</i> sp.(?) (orchid) leaf.....	Bahamas.....			1	Fla.
<i>Catasetum</i> sp. (orchid) leaf.....	Peru.....			2	Fla.
<i>Mormodes</i> sp.(?) (orchid) leaf.....	do.....			1	Fla.
† <i>Sphenospora saphena</i> Cumm.:					
<i>Oncidium pulchellum</i> (orchid).....	Haiti, Jamaica.....			2	Fla.
<i>Oncidium</i> sp.....	Peru.....			1	Fla.
Orchid.....	Haiti.....			1	Fla.
† <i>Sphenospora saphena</i> Cumm.(?):					
<i>Ionopsis utricularioides</i> (orchid) leaf.....	Jamaica.....	1			Fla.
<i>Stomatogone agaves</i> (Ell. & Ev.) Th.:					
<i>Agave</i> sp.....	Mexico.....	1		1	Ariz.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of in- terceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Tylenchorhynchus capitatus</i> M. W. Allen: Soil with <i>Citrus</i> sp. plant.....	Mexico.....	.....	.....	1	Ariz.
<i>Tylenchus costatus</i> deMan: Soil with <i>Saintpaulia</i> sp. plant.....	do.....	.....	.....	1	Ariz.
† <i>Tylenchus filiformis</i> Bütschli: Soil with <i>Saintpaulia</i> sp. plant.....	do.....	.....	.....	1	Ariz.
<i>Uredo behnickiana</i> P. Henn.: <i>Epidendrum prismatocarpum</i> (orchid) leaf.....	Costa Rica.....	.....	.....	1	Fla.
<i>E. radiatum</i> .....	Panama.....	.....	.....	1	Fla.
<i>Epidendrum</i> sp.....	Costa Rica, Nicaragua.....	.....	.....	2	Fla.
<i>Laelia anceps</i> (orchid).....	Mexico.....	.....	.....	3	Tex.
<i>Oncidium forbesii</i> (orchid) leaf.....	Brazil.....	.....	.....	1	Fla.
<i>O. varicosum</i> var. <i>rogersii</i> .....	do.....	.....	.....	2	Fla.
<i>Oncidium</i> sp.....	do.....	.....	.....	1	Fla.
Orchid (leaf).....	Costa Rica.....	.....	.....	1	Calif.*
<i>Schomburgkia</i> sp. (orchid) leaf.....	†Peru.....	.....	.....	1	Fla.
<i>Uredo epidendri</i> P. Henn.: <i>Ionopsis utricularioides</i> (orchid).....	Trinidad.....	.....	.....	1	Hawaii.
<i>Ionopsis</i> sp.....	Jamaica.....	.....	.....	4	Fla.
<i>Oncidium triguetrum</i> (?) (orchid).....	do.....	.....	.....	1	Fla.
<i>Oncidium</i> sp.....	Trinidad.....	.....	.....	1	Hawaii.
Orchid (leaf).....	Costa Rica, Honduras, Nicaragua.....	.....	.....	3	Calif.,* Fla.
<i>Rodriguezia secunda</i> (orchid).....	Trinidad.....	.....	.....	1	Hawaii.
<i>Rodriguezia</i> sp.....	†Peru.....	.....	.....	1	Fla.
<i>Trigonidium egertonianum</i> (orchid) leaf.....	British Honduras.....	.....	.....	1	Fla.
<i>Trizeuxis falcata</i> (orchid).....	Trinidad.....	.....	.....	2	Hawaii.
<i>Uredo guacae</i> Mayor: <i>Epidendrum</i> sp. (orchid) leaf.....	Honduras, Jamaica.....	.....	.....	2	Fla.
<i>Miltonia roezlii</i> (orchid) leaf.....	Canal Zone.....	.....	.....	1	Fla.
<i>Odontoglossum</i> sp. (orchid).....	Mexico.....	.....	.....	1	Ariz.
Orchid (leaf).....	Ecuador, Panama.....	.....	.....	4	Fla.
<i>Ornithocephalus</i> sp. (orchid).....	Peru.....	.....	.....	1	Fla.
<i>Sobralia leucorantha</i> (orchid).....	Mexico.....	.....	.....	1	Tex.
<i>Stanhopea</i> sp. (orchid).....	Peru.....	.....	.....	1	Fla.
<i>Tetramicra parviflora</i> (orchid).....	Jamaica.....	.....	.....	1	Fla.
<i>Zygostates lunata</i> (orchid).....	Brazil.....	.....	.....	1	Fla.
† <i>Uredo monsterae</i> Syd.: <i>Philodendron</i> sp. (?) (leaf).....	Canal Zone.....	.....	.....	1	Fla.
<i>Uredo nidularii</i> P. Henn.: Bromeliad (leaf).....	†Costa Rica.....	.....	.....	2	Fla.
<i>Tillandsia lucida</i> (leaf).....	Mexico.....	.....	.....	1	Tex.
<i>Tillandsia</i> sp.....	do.....	.....	.....	2	Ariz., Tex.
<i>Uredo oncidii</i> P. Henn.: <i>Huntleya</i> sp. (orchid) leaf.....	Costa Rica.....	.....	.....	1	Fla.
<i>Oncidium bicallosum</i> (orchid).....	Guatemala.....	.....	.....	1	Fla.
<i>O. carthagenense</i> .....	†Surinam.....	.....	.....	1	Fla.
<i>O. papilio</i> .....	Trinidad.....	.....	.....	1	Fla.
<i>Oncidium</i> sp.....	British Honduras, Honduras, Mexico, Panama, Peru, unknown.....	.....	.....	9	Fla., Hawaii.
<i>Ornithocephalus</i> sp. (orchid) leaf.....	Panama, Peru.....	.....	.....	2	Fla.
<i>Rodriguezia</i> sp. (?) (orchid) leaf.....	Peru.....	.....	.....	1	Fla.
<i>Uromyces aloes</i> (Cke.) Magn.: <i>Aloe dewetii</i> .....	Republic of South Africa.....	.....	.....	1	Tex.
<i>A. simii</i> .....	do.....	.....	.....	1	Tex.
<i>A. vryheidensis</i> .....	do.....	.....	.....	1	Tex.
<i>Uromyces fabae</i> (Grev.) Cke.: <i>Lens culinaris</i> (lentil).....	Chile, unknown.....	.....	2	.....	Minn., Wash.
<i>Lens</i> sp. (pod).....	†Argentina, Chile.....	2	.....	.....	N.Y., Pa.
<i>Vicia faba</i> (broadbean) pod.....	Netherlands.....	.....	1	.....	Minn.
<i>Uromyces lespezadeae-procumbentis</i> (Schw.) Curt.: <i>Lespezea bicolor</i> (shrub <i>lespezea</i> ) seed.....	Japan.....	.....	.....	2	Calif.*
<i>Lespezea</i> sp. (leaf with seed).....	†Pakistan.....	.....	.....	1	D.C.
<i>Ustilago tritici</i> (Pers.) Rostr.: <i>Triticum aestivum</i> (wheat).....	Mexico.....	1	.....	.....	Tex.
<i>Volutella pachysandricola</i> B. O. Dodge: <i>Pachysandra terminalis</i> .....	Netherlands.....	.....	.....	1	N.J.

See footnotes at end of table.



Pests Collected and Reported From July 1, 1960, Through June 30, 1961—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Xanthomonas citri</i> (Hasse) Dowson: <i>Citrus aurantifolia</i> (lime).....	India, Philippines, Thailand.	2	2	-----	Calif., * Hawaii, Md.
<i>C. aurantium</i> (sour orange).....	Japan.....	-----	13	-----	Calif., * Pa., Tex., Wash.
<i>C. grandis</i> (pummelo).....	do.....	-----	1	-----	Calif., *
<i>C. ichangensis</i> x <i>C. reticulata</i> (ichangarin).....	do.....	-----	1	-----	Calif., *
<i>C. limon</i> (lemon).....	Hong Kong, Japan.....	-----	18	-----	Calif., * N.Y., Pa.
<i>C. paradisi</i> (grapefruit).....	China, India, Japan, Philippines, unknown.	-----	10	-----	Calif., * Ga., Pa., Tex., Wash.
<i>C. reticulata</i> (Mandarin orange).....	China, Japan.....	2	1	-----	Calif., * Hawaii.
<i>C. reticulata</i> 'Unshiu' (Satsuma orange).....	Japan.....	-----	1	-----	N.Y.
<i>C. sinensis</i> (sweet orange).....	China, Formosa, Hong Kong, Japan, unknown, Vietnam.	11	63	-----	Calif., * Hawaii, Ill., Md., N.Y., Pa., Wash.
<i>Citrus</i> sp.....	Hong Kong, Japan.....	1	1	-----	Calif., * Tex.
<i>Xanthomonas</i> sp. (Cancrosis B): <i>Citrus limon</i> (lemon).....	Argentina, unknown.....	-----	3	-----	Fla., La., N.Y.
<i>C. paradisi</i> (grapefruit).....	Argentina, unknown.....	-----	2	-----	Calif., * N.Y.

An asterisk (\*) indicates State inspection.

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates a first interception by Division inspectors.

## Hosts and Diseases

## ACER:

*Rhytisma punctatum* (Ascomycetes)

## AGAVE:

*Coniothyria agaves* (Deuteromycetes)

†*Myiocopron affine* (Deuteromycetes)

*Sphaerodothis pringlei* (Ascomycetes)

*Stomatogone agaves* (Ascomycetes)

## ALLIUM CEPA:

*Mycosphaerella schoenoprasii* (Ascomycetes)

†*Peronospora destructor* (Phycomycetes)

## ALLIUM FISTULOSUM:

*Mycosphaerella schoenoprasii* (Ascomycetes)

## ALLIUM PORRUM:

†*Mycosphaerella schoenoprasii* (Ascomycetes)

## ALLIUM SATIVUM:

†*Mycosphaerella schoenoprasii* (Ascomycetes)

†*Puccinia blasdalei* (Promycetes)

## ALLIUM SP.:

*Mycosphaerella schoenoprasii* (Ascomycetes)

## ALOCASIA:

*Meloidogyne arenaria* (Nematoda)

## ALOE:

†*Lecanidion atratum* (Ascomycetes)

*Uromyces aloes* (Promycetes)

## ANTHURIUM:

*Radopholus similis* (Nematoda)

## ARAUCARIA:

*Cryptospora longispora* (Ascomycetes)

†*Dothiorella araucariae* (Deuteromycetes)

*Macrophoma araucariae* (Deuteromycetes)

## ARECA:

*Phomopsis palmicola* (Deuteromycetes)

## ASPARAGUS:

*Meloidogyne incognita* (Nematoda)

*M. javanica* (Nematoda)

## ASTER:

†*Coleosporium asterum* (Promycetes)

## AUCUBA:

*Phyllosticta aucubicola* (Deuteromycetes)

## BACCHARIS:

*Puccinia baccharidis* (Promycetes)

## BAMBOO:

*Papularia sphaerosperma* (Deuteromycetes)

*Puccinia kusanoi* (Promycetes)

## BARRINGTONIA:

†*Dothiorella barringtoniae* (Deuteromycetes)

## BEGONIA:

*Meloidogyne hapla* (Nematoda)

## BETA:

†*Meloidogyne incognita* (Nematoda)

## BLETTA (?):

†*Sphenospora mera* (Promycetes)

## BLETILLA:

*Aphelenchoides fragariae* (?) (Nematoda)

## BOUTELOUA:

†*Phyllachora boutelouae* (Ascomycetes)

*Puccinia boutelouae* (Promycetes)

## BRASSICA OLERACEA VAR. CAPITATA:

*Peronospora parasitica* (Phycomycetes)

## BRASSICA SP.:

*Cercospora brassicicola* (Deuteromycetes)

## BROMELIAD:

†*Uredo nidularii* (Promycetes)

## BUXUS:

*Puccinia buxi* (Promycetes)

## CALADIUM:

*Meloidogyne arenaria* (Nematoda)

## CANNA:

†*Puccinia thaliae* (Promycetes)

## CARICA:

†*Ascochyta caricae* (Deuteromycetes)

## CARTHAMUS:

†*Puccinia carthami* (Promycetes)

## CASIMIROA:

*Cercospora coleroides* (Deuteromycetes)

## CASSIA:

*Ravenelia papillifera* (Promycetes)

## CATASETUM:

†*Sphenospora mera* (Promycetes)

## CHAMAEDOREA:

*Botryosphaeria palmigena* (Ascomycetes)

†*Didymium squamulosum* (Myxomycetes)

## CHRYSANTHEMUM:

*Puccinia horiana* (Promycetes)

## CITRULLUS:

†*Circinella minor* (?) (Phycomycetes)

## CITRUS AURANTIFOLIA:

*Elsinoe australis* (Ascomycetes)

*Sphaceloma fawcettii* var. *scabiosa* (Deuteromycetes)

*Xanthomonas citri* (Schizomycetes)

## CITRUS AURANTIUM:

†*Ascochyta citri* (Deuteromycetes)

*Phoma citricarpa* (Deuteromycetes)

*Xanthomonas citri* (Schizomycetes)

## CITRUS GRANDIS:

*Phoma citricarpa* (Deuteromycetes)

*Xanthomonas citri* (Schizomycetes)

## CITRUS ICHANGENSIS X C. RETICULATA:

*Xanthomonas citri* (Schizomycetes)

## CITRUS LIMON:

*Elsinoe australis* (Ascomycetes)

*Phoma citricarpa* (Deuteromycetes)

†*Pseudomonas syringae* (Schizomycetes)

*Septoria citri* (Deuteromycetes)

*Sphaceloma fawcettii* var. *scabiosa* (Deuteromycetes)

*Xanthomonas citri* (Schizomycetes)

*Xanthomonas* sp. (Cancrosis B) (Schizomycetes)

## CITRUS MEDICA:

*Phoma citricarpa* (Deuteromycetes)

## CITRUS PARADISI:

*Elsinoe australis* (Ascomycetes)

*Phoma citricarpa* (Deuteromycetes)

*Xanthomonas citri* (Schizomycetes)

*Xanthomonas* sp. (Cancrosis B) (Schizomycetes)

## CITRUS PARADISI X C. RETICULATA:

*Phoma citricarpa* (Deuteromycetes)

## CITRUS RETICULATA:

*Elsinoe australis* (Ascomycetes)

*Phoma citricarpa* (Deuteromycetes)

*Xanthomonas citri* (Schizomycetes)

## CITRUS RETICULATA 'UNSHU':

*Xanthomonas citri* (Schizomycetes)

## CITRUS SINENSIS:

†*Camarosporium limonii* (Deuteromycetes)

*Elsinoe australis* (Ascomycetes)

*Phoma citricarpa* (Deuteromycetes)

*Septoria citri* (Deuteromycetes)

*Sphaceloma fawcettii* var. *scabiosa* (Deuteromycetes)

*Xanthomonas citri* (Schizomycetes)

## CITRUS SP.:

†"Greasy spot"

*Phoma citricarpa* (Deuteromycetes)

*Xanthomonas citri* (Schizomycetes)

## CLEMATIS:

*Meloidogyne hapla* (Nematoda)

†*Phoma malisorica* (Deuteromycetes)

## COCOS:

*Diplodia coccocarpa* (Deuteromycetes)

*Phomopsis coccos* (Deuteromycetes)

†*Sirodesmium granulosum* (Deuteromycetes)

## COFFEA:

†*Leptosphaeria coffeigena* (Ascomycetes)

## CORDYLINE:

*Phyllosticta draconis* (Deuteromycetes)

†*Phyllosticta cordylines* (Deuteromycetes)

## CORIANDRUM:

*Meloidogyne incognita acrita* (Nematoda)

## CUSSONIA:

*Meloidogyne javanica* (Nematoda)

## CYCAS:

†*Ascochyta cycadina* (Deuteromycetes)

## DAHLIA:

*Dendryphion interseminata* (Deuteromycetes)

*Pratylenchus penetrans* (Nematoda)

## DAUCUS:

*Meloidogyne incognita* (Nematoda)

*M. javanica* (Nematoda)

## DIACRUM:

†*Myiocopron corrientum* (Deuteromycetes)

## DIANTHUS:

†Carnation ringspot virus

*Puccinia arenariae* (Promycetes)

## DIOSCOREA:

*Meloidogyne arenaria* (Nematoda)

See footnotes at end of this list.

## Hosts and Diseases—Continued

## EPIDENDRUM:

- †*Sphenospora kevorkianii* (Promycetes)
- †*Uredo behnickiana* (Promycetes)
- U. guacae* (Promycetes)

## EQUISETUM:

- †*Phoma equisetii* (Deuteromycetes)

## EUCALYPTUS:

- †*Mycosphaerella molleriana* (Ascomycetes)

## EUNYMUS:

- †*Sphaeropsis malorum* (Deuteromycetes)

## EUPHORBIA:

- †*Meloidogyne javanica* (Nematoda)

## EXOMIS:

- †*Camarosporium chenopodii* (Deuteromycetes)

## FOUQUIERIA:

- †*Acidium cannonii* (Promycetes)

## FRAGARIA:

- †*Dendrophoma obscurans* (Deuteromycetes)

## FRAXINUS:

- †*Phomopsis pterophila* (Deuteromycetes)

## GARDENIA:

- †*Meloidogyne incognita acrita* (Nematoda)
- †*Pseudomonas gardeniae* (Schizomycetes)

## GERBERA:

- †*Meloidogyne arenaria* (Nematoda)
- M. hapla* (Nematoda)

## GINKGO:

- †*Phomopsis occulta* var. *ginkgoina* (Deuteromycetes)

## GONGORA:

- †*Sphenospora kevorkianii* (Promycetes)

## HORDEUM:

- †*Puccinia hordei* (Promycetes)

## HUNTLEYA:

- †*Uredo oncidii* (Promycetes)

## IONOPSIS:

- †*Sphenospora kevorkianii* (Promycetes)
- †*S. sapheia* (?) (Promycetes)
- †*Uredo epidendri* (Promycetes)

## IPOMOEA:

- †*Aphelenchoides bicaudatus* (Nematoda)
- †*Diaporthe batatis* (Ascomycetes)

## JATROPHA:

- †*Phakospora jatrophiicola* (Promycetes)

## JUNIPERUS:

- †*Gymnosporangium haraeaeum* (Promycetes)

## LAELIA:

- †*Uredo behnickiana* (Promycetes)

## LAGASCEA:

- †*Puccinia noccae* (Promycetes)

## LARIX:

- †*Phoma lineolata* (Deuteromycetes)

## LAURUS:

- †*Phyllosticta kalmicola* (Deuteromycetes)

## LENS:

- †*Uromyces fabae* (Promycetes)

## LEONTOPODIUM:

- †*Meloidogyne hapla* (Nematoda)

## LESPEDeza:

- †*Uromyces lespedezae-procumbentis* (Promycetes)

## LOPHOCEREUS:

- †*Camarosporium setuliferum* (Deuteromycetes)

## LYCOPERSICON:

- †*Gonatobotrys simplex* (Deuteromycetes)

## MAHONIA:

- †*Cumminsia mirabilissima* (Promycetes)
- †*Mycosphaerella berberidis* (Ascomycetes)
- †*Phomopsis mahoniae* (?) (Deuteromycetes)

## MALUS:

- †*Coniothecium chomatosporum* (?) (Deuteromycetes)

## MANGIFERA:

- †*Elsinoe mangiferae* (Ascomycetes)
- †*Phyllosticta murtonii* (Deuteromycetes)
- †*Phyllosticta mangiferae* (Deuteromycetes)

## MAXILLARIA:

- †*Asterinema caseariae* (?) (Ascomycetes)

## MESEMBRYANTHEMUM:

- †*Psilenchus hilarulus* (Nematoda)

## METROSIDEROS:

- †*Phyllosticta salicifoliae* (Deuteromycetes)

## MILTONIA:

- †*Uredo guacae* (Promycetes)

## MORMODES (?):

- †*Sphenospora mera* (Promycetes)

## MORUS:

- †*Cercospora moricola* (Deuteromycetes)

## MUHLENBERGIA:

- †*Phyllachora vulgata* (Ascomycetes)

## MUSA:

- †*Chaetothyria musarum* (Ascomycetes)
- †*Macrophoma musae* (Deuteromycetes)

## NARCISSUS:

- †*Ceratocystis narcissii* (Ascomycetes)
- †*Ditylenchus dipsaci* (Nematoda)

## ODONTOGLOSSUM:

- †*Uredo guacae* (Promycetes)

## OLEA:

- †*Macrophoma oleae* (Deuteromycetes)

## ONCIDIUM:

- †*Physalospora wildemanniana* (Ascomycetes)
- †*Sphenospora kevorkianii* (Promycetes)
- †*S. sapheia* (Promycetes)
- †*Uredo behnickiana* (Promycetes)
- †*U. epidendri* (Promycetes)
- †*U. oncidii* (Promycetes)

## ORCHID:

- †*Sphenospora kevorkianii* (Promycetes)
- †*S. sapheia* (Promycetes)
- †*Uredo behnickiana* (Promycetes)
- †*U. epidendri* (Promycetes)
- †*U. guacae* (Promycetes)

## ORNITHOCEPHALUS:

- †*Uredo guacae* (Promycetes)

## ORNITHOGALUM:

- †*Didymella ornithogali* (Ascomycetes)

## ORYZA:

- †*Coniothyrium brevisporum* (Deuteromycetes)
- †*Diplodia oryzae* (Deuteromycetes)
- †*Neovossia horrida* (Promycetes)
- †*Olpitrichum macrosporum* (Deuteromycetes)
- †*Periconia pulla* (Deuteromycetes)
- †*Phoma oryzae* (Deuteromycetes)
- †*Pyrenochaeta oryzae* (Deuteromycetes)
- †*Septonema toruloides* (Deuteromycetes)
- †*Septoria curvula* (Deuteromycetes)
- S. oryzae* (Deuteromycetes)

## PACHYSANDRA:

- †*Volutella pachysandricola* (Deuteromycetes)

## PALM:

- †*Ciliopsis gelatinosa* (Deuteromycetes)
- †*Coniothyrium palmicolum* (Deuteromycetes)
- †*Mycosphaerella serrulatae* (Ascomycetes)

## PASSIFLORA:

- †*Ascochyta passiflorae* (Deuteromycetes)

## PELARGONIUM:

- †*Pratylenchus pratensis* (Nematoda)

## PHALARIS (?):

- †*Lophodermium arundinaceum* (Ascomycetes)

## PHASEOLUS:

- †*Ascochyta phaseolorum* (Deuteromycetes)
- †*Cercospora brachiata* (Deuteromycetes)

## PHILODENDRON (?):

- †*Uredo monsterae* (Promycetes)

## PHRAGMITES:

- †*Lophodermium arundinaceum* (Ascomycetes)
- †*Puccinia magnusiana* (Promycetes)

## PHYGELIUS:

- †*Meloidogyne hapla* (Nematoda)

## PINUS:

- †*Phoma acicola* (Deuteromycetes)
- †*Rhizosphaera pini* (Deuteromycetes)

## PITHECOCTENIUM:

- †*Prosopidium pithecoctenii* (Promycetes)

## POLIANTHES:

- †*Meloidogyne incognita acrita* (Nematoda)

## POLYGONUM:

- †*Cylindrocarpum candidum* (Deuteromycetes)

## POUTERIA:

- †*Elsinoe lepagei* (Ascomycetes)

## PRUNUS:

- †*Septoria pruni* (Deuteromycetes)

## PUNICA:

- †*Cercospora punicae* (Deuteromycetes)
- †*Sphaeloma punicae* (Deuteromycetes)

See footnotes at end of this list.



## Hosts and Diseases—Continued

## QUERCUS:

- †*Discula quercina* (Deuteromycetes)
- †*Phyllosticta quercus* (Deuteromycetes)

## RHODODENDRON:

- Chrysomyxa ledi* var. *rhododendri* (Promycetes)
- Septoria azaleae* (Deuteromycetes)

## RIBES:

- †*Diplodina grossulariae* (Deuteromycetes)

## RICINUS:

- †*Oidium macrosporum* (Deuteromycetes)

## RODRIGUEZIA:

- †*Sphenospora ketorkianii* (Promycetes)
- †*Uredo epidendri* (Promycetes)

## RODRIGUEZIA (?):

- Uredo oncidii* (Promycetes)

## ROSA:

- Meloidogyne hapla* (Nematoda)

## SACCHARUM:

- †*Cercospora vaginiae* (Deuteromycetes)
- Cytospora sacchari* (Deuteromycetes)

## SALIX:

- Melampsora abieti-capraearum* (Promycetes)

## SCHINUS:

- †*Cylindrosporium toxicodendri* (Deuteromycetes)

## SCHOMBURGKIA:

- †*Uredo behnickiana* (Promycetes)

## SCIRPUS:

- †*Puccinia oblecta* (Promycetes)

## SECALE:

- †*Dinemasporium graminum* (Deuteromycetes)
- Puccinia striiformis* (Promycetes)

## SOBRALIA:

- Uredo guacae* (Promycetes)

## SOIL:

- Criconeimoides mutabile* (Nematoda)
- Helicotylenchus nannus* (Nematoda)
- Heterodera avenae* (Nematoda)
- †*H. cacti* (Nematoda)
- H. punctata* (Nematoda)
- H. rostochiensis* (Nematoda)
- Psilenchus hilarulus* (Nematoda)
- Scutellonema brachyurum* (Nematoda)
- †*S. christiei* (Nematoda)
- Tylenchorhynchus capitatus* (Nematoda)
- Tylenchus costatus* (Nematoda)
- †*T. filiformis* (Nematoda)

## SOLANUM:

- †*Fusarium solani* (Deuteromycetes)

## SPINACIA:

- Colletotrichum dematium* f. *spinaciae* (Deuteromycetes)

## STANTHOPEA:

- †*Cylindrocladium scoparium* (Deuteromycetes)
- Uredo guacae* (Promycetes)

## STRONGYLODON:

- †*Papularia sphaerosperma* (Deuteromycetes)

## TABEBUIA:

- †*Prosopidium perornatum* (Promycetes)

## TECOMA:

- Prosopidium appendiculatum* (Promycetes)

## TETRAMICRA:

- Uredo guacae* (Promycetes)

## THEOBROMA:

- †*Menispora acicola* (Deuteromycetes)
- †*M. ciliata* (Deuteromycetes)

## TILLANDSIA:

- Uredo nidularii* (Promycetes)

## TRIFOLIUM:

- †*Cymadothea trifolii* (Ascomycetes)

## TRIGONIDIUM:

- Uredo epidendri* (Promycetes)

## TRITICUM:

- Ustilago tritici* (Promycetes)

## TRIZEUXIS:

- Uredo epidendri* (Promycetes)

## VIBURNUM:

- Meloidogyne hapla* (Nematoda)

## VICIA:

- Uromyces fabae* (Promycetes)

## VITIS:

- †*Guignardia bidwellii* (Ascomycetes)

## YUCCA:

- Kellermannia anomala* (Deuteromycetes)

## ZANTEDESCHIA:

- †*Meloidogyne arenaria arenaria* (Nematoda)
- M. incognita acrita* (Nematoda)
- M. javanica* (Nematoda)

## ZEA:

- Helminthosporium turcicum* (Deuteromycetes)

## ZYGOSTATES:

- Uredo guacae* (Promycetes)

## Hosts Unknown

## STRAW—UNIDENTIFIED

- Puccinia striiformis* (Promycetes)

## TREE—UNIDENTIFIED:

- †*Hexagonia velutina* (Basidiomycetes)

A dagger (†) indicates a first interception from the country of origin.

A double dagger (‡) indicates a first interception by Division inspectors.

## Countries of Origin and Diseases

- AFRICA (country(?)):  
*Phoma citricarpa*
- AMERICAN SAMOA:  
 †*Macrophoma musae*
- ANTIGUA:  
 †*Elsinoe mangiferae*
- ARGENTINA:  
*Elsinoe australis*  
*Heterodera cacti*  
*Meloidogyne javanica*  
 †*Uromyces fabae*  
*Xanthomonas* sp. (Cancrosis B)
- ASIA (country(?)):  
*Phoma citricarpa*
- AUSTRALIA:  
 †*Camarosporium limonii*  
 †*Coniothecium chomatosporum* (?)  
*Cryptospora longispora*  
 †*Dothiorella araucariae*  
 †*Mycosphaerella molleriana*  
 †*M. schoenoprasii*  
*Phoma citricarpa*  
 †*Phyllosticta salicifoliae*  
*Pratylenchus penetrans*  
*Sphaceloma fawcettii* var. *scabiosa*
- AUSTRIA:  
*Heterodera punctata*
- BAHAMAS:  
*Sphenospora kevorkianii*  
 †*S. mera*
- BELGIUM:  
*Heterodera avenae*  
*H. punctata*  
*H. rostochiensis*  
*Mycosphaerella schoenoprasii*  
*Phyllosticta aucubicola*
- BERMUDA:  
 †*Lecanidion atratum*
- BRAZIL:  
 †*Ascochyta phaseolorum*  
*Elsinoe australis*  
*Phoma citricarpa*  
 †*Sphenospora kevorkianii*  
*Uredo behnickiana*  
*U. guacae*
- BRITISH HONDURAS:  
*Sphenospora kevorkianii*  
*Uredo epidendri*  
*U. oncidii*
- CANADA:  
*Chrysomya ledi* var. *rhododendri*  
*Cumminsia mirabilissima*  
 †*Phyllosticta quercus*  
*Rhytisma punctatum*  
*Sphaeropsis malorum*
- CANAL ZONE:  
 †*Sphenospora kevorkianii*  
*Uredo guacae*  
 †*U. monsterae*
- CHILE:  
 †*Guignardia bidwellii*  
 †*Heterodera cacti*  
*Uromyces fabae*
- CHILE (?):  
 †*Dinecma sporium graminum*
- CHINA:  
 †*Coniothyrium brevisporum*  
 †*Hexagonia velutina*  
*Phoma citricarpa*  
 †*P. oryzae*  
*Xanthomonas citri*
- COLOMBIA:  
 †*Ascochyta passiflorae*  
 †*Mycosphaerella serrulatae*
- COSTA RICA:  
 †*Asterinema caseariae* (?)  
 †*Myiocopron corrientum*  
*Uredo behnickiana*  
*U. epidendri*  
 †*U. nidularii*  
*U. oncidii*
- CUBA:  
*Sphenospora kevorkianii*
- DENMARK:  
 †*Carnation ringspot virus*  
*Heterodera avenae*
- DOMINICAN REPUBLIC:  
 †"Greasy spot"  
 †*Phakopsora jatrochicola*
- ECUADOR:  
*Uredo guacae*
- ENGLAND:  
*Ceratocystis narcissii*  
*Ditylenchus dipsaci*  
*Heterodera avenae*  
*H. punctata*  
*H. rostochiensis*  
*Meloidogyne hapla*  
*Puccinia arenariae*
- ENIWETOK:  
 †*Ascochyta caricae*
- FIJI:  
*Phoma citricarpa*
- FORMOSA:  
*Phoma citricarpa*  
 †*Pyrenochaeta oryzae*  
*Xanthomonas citri*
- FRANCE:  
*Dendrophoma obscurans*  
*Heterodera cacti*  
*Puccinia buxi*
- FRANCE (?):  
 †*Puccinia blasdalei*
- GERMANY:  
*Dendrophoma obscurans*  
*Heterodera avenae*  
*H. cacti*  
*H. punctata*  
*H. rostochiensis*  
*Lophodermium arundinaceum*  
*Meloidogyne hapla*  
 †*Mycosphaerella schoenoprasii*  
 †*Puccinia magnusiana*
- GUAM:  
 †*Macrophoma musae*  
*Phomopsis palmicola*
- GUATEMALA:  
*Meloidogyne arenaria*  
*Uredo oncidii*
- HAITI:  
 †*Sphenospora kevorkianii*  
 †*S. saphena*
- HAWAII:  
*Diplodia coccocarpa*  
 †*Dothiorella barringtoniae*  
*Phomopsis cocoes*  
*Phyllosticta draconis*  
 †*Phyllosticta cordylines*  
*Radopholus similis*
- HONDURAS:  
*Sphenospora kevorkianii*  
*Uredo epidendri*  
*U. guacae*  
*U. oncidii*
- HONG KONG:  
*Phoma citricarpa*  
*Xanthomonas citri*
- INDIA:  
 †*Cercospora punicea*  
 †*C. vaginiae*  
*Neovossia horrida*  
 †*Phoma oryzae*  
*Xanthomonas citri*
- IRELAND:  
*Heterodera rostochiensis*  
*Puccinia buxi*
- ITALY:  
*Heterodera avenae*  
*H. cacti*  
*Macrophoma oleae*  
*Meloidogyne incognita acrita*  
*Phomopsis pterophila*  
*Septoria citri*  
 †*S. pruni*  
*Sphaceloma punicea*

See footnotes at end of this list.

## Countries of Origin and Diseases—Continued

## JAMAICA:

*Sphenospora kevorkianii*†*S. saphena**Uredo epidendri**U. guacae*

## JAPAN:

*Aphelenchoides fragariae* (?)†*Ascochyta citri**Cercospora brassicicola**Colletotrichum dematium* f. *spinaciae**Diplodia oryzae*†*Discula quercina**Gymnosporangium haraeae**Macrophoma musae**Meloidogyne arenaria*†*M. arenaria arenaria**M. hapla**M. javanica*†*Mycosphaerella berberidis**M. schoenoprasii**Neovossia horrida*†*Olpitricum macrosporum*†*Periconia pulla*†*Peronospora destructor**Phoma citricarpa*†*P. equisetii*†*P. malisora**Phomopsis mahoniae* (?)*P. occulta* var. *ginkgoina**Puccinia horiana**P. kusanoi**P. striiformis*†*Septonema toruloides**Septoria citri*†*S. curvula**S. oryzae**Uromyces lespedezae-procumbentis**Xanthomonas citri*

## KENYA:

†*Puccinia hordei*

## KOREA:

†*Coleosporium asterum*†*Neovossia horrida*

## MEXICO:

†*Aecidium cannonii*†*Aphelenchoides bicaudatus*†*Ascochyta caricae**Botryosphaeria palmigena*†*Camarosporium setuliferum**Cercospora coleroides*†*C. moricola*†*Chaetothyria musarum*†*Ciliospora gelatinosa*†*Circinella minor* (?)*Coniothyria agaves*†*Coniothyrium palmicolum**Cricanemoides mutabile*†*Cylindrocladium scoparium*†*Cylindrosporium toxicodendri**Cytospora sacchari**Dendryphion interseminata*†*Diaporthe batatis*†*Didymium squamulosum*†*Elsinoe lepagei*†*Gonatobotrys simplex**Helicotylenchus nanus**Helminthosporium turcicum**Heterodera cacti**H. punctata**H. rostochiensis**Kellermannia anomala*†*Leptosphaeria coffeigena**Melampsora abietis-ca praeaurum**Meloidogyne arenaria**M. incognita**M. incognita acrita**M. javanica*†*Menispora acicola*†*M. ciliata*†*Myiocopron affine*†*Oidium macrosporum**Papularia sphaerosperma*†*Phyllachora boutelouae*†*P. vulgata*†*Phyllosticta kalmicola**P. mortoni**Phyllostictina mangiferae**Physalospora wildemanniana**Pratylenchus pratensis**Prosopidium appendiculatum*†*P. perornatum*†*P. pithecoctenii*†*Pseudomonas gardeniae**Psilenchus hilarulus**Puccinia baccharidis**P. boutelouae*†*P. carthami*†*P. noccae**P. oblecta**Ravenelia papillifera**Scutellonema brachyurum*†*S. christiei*†*Sirodesmium granulosum**Sphaceloma puniceae**Sphaerodothis pringlei**Stomatogone agaves**Tylenchorhynchus capitatus**Tylenchus costatus*†*T. filiformis**Uredo behnickiana**U. guacae**U. nidularii**U. oncidii**Ustilago tritici*

## MOZAMBIQUE:

*Phoma citricarpa*

## NETHERLANDS:

*Cylindrocarpon candidum**Heterodera rostochiensis**Meloidogyne hapla**Peronospora parasitica**Septoria azaleae**Uromyces fabae**Volutella pachysandricola*

## NEW ZEALAND:

*Macrophoma araucariae**Phoma citricarpa*

## NICARAGUA:

†*Dothiorella araucariae**Uredo behnickiana**U. epidendri*

## NORFOLK ISLAND:

*Cryptospora longispora**Macrophoma araucariae*

## NORWAY:

†*Diplodina grossulariae**Heterodera punctata*

## OKINAWA:

†*Ascochyta cycadina*

## PAKISTAN:

†*Cymadothea trifolii*†*Uromyces lespedezae-procumbentis*

## PANAMA:

*Uredo behnickiana**U. guacae**U. oncidii*

## PERU:

†*Fusarium solani*†*Sphenospora kevorkianii*†*S. mera*†*S. saphena*†*Uredo behnickiana*†*U. epidendri**U. guacae**U. oncidii*

## PHILIPPINES:

*Macrophoma musae**Neovossia horrida*†*Papularia sphaerosperma**Xanthomonas citri*

## POLAND:

*Heterodera rostochiensis*

## PORTUGAL:

†*Puccinia oblecta*

## PUERTO RICO:

*Cercospora brachiata*

†"Greasy spot"

See footnotes at end of this list.



*Countries of Origin and Diseases—Continued*

## REPUBLIC OF SOUTH AFRICA:

†*Camarosporium chenopodii*  
*Didymellina ornithogali*  
*Meloidogyne javanica*  
*Phoma citricarpa*  
†*Pseudomonas syringae*  
*Uromyces aloes*

## SCOTLAND:

†*Phoma lineolata*

## SINGAPORE:

†*Macrophoma musae*

## SPAIN:

*Heterodera rostochiensis*  
*Septoria citri*

## SURINAM:

†*Uredo oncidii*

## SWEDEN:

*Heterodera avenae*  
*H. rostochiensis*

## SWITZERLAND:

*Chrysomyxa ledi* var. *rhododendri*  
*Heterodera cacti*  
*H. punctata*

## TAHITI:

*Diplodia coccocarpa*

## THAILAND:

†*Phoma acicola*  
†*Rhizosphaera pini*  
*Xanthomonas citri*

## TRINIDAD:

*Uredo epidendri*  
*U. oncidii*

## UNKNOWN:

*Cryptospora longispora*  
*Elsinoe australis*  
*Phoma citricarpa*  
*Septoria citri*  
*Sphenospora kevorikianii*  
*Uredo oncidii*  
*Uromyces fabae*  
*Xanthomonas citri*  
*Xanthomonas* sp. (Cancrosis B)

## URUGUAY:

*Elsinoe australis*

## VENEZUELA:

†*Puccinia thaliae*

## VIETNAM:

*Xanthomonas citri*

## WEST PACIFIC:

*Phoma citricarpa*

A dagger (†) indicates a first interception from the country named.

A double dagger (§) indicates a first interception by Division inspectors.













